JVC®

For models:
AV-60D501
AV-50D501

PROJECTION TELEVISION USER'S GUIDE

Illustration of AV-60D501 and RM-C889

IMPORTANT NOTE TO THE CUSTOMER

In the spaces below, enter the model and serial number for your television (located at the rear of the television cabinet). Staple your sales receipt or invoice to the inside cover of this guide. Keep this user's guide in a convenient place for future reference. Keep the carton and original packaging for future use.

Serial Number

Model Number

IMPORTANT SAFETY PRECAUTIONS

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: To reduce the risk of electric shock. Do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS TV SET TO RAIN OR MOISTURE.

CAUTION: TO INSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid Improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid into the cabinet openings.
5. In the event of trouble, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Changes or modifications not approved by JVC could void the warranty.

* When you don't use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.

* To prevent electric shock do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

IMPORTANT SAFEGUARDS

CAUTION:

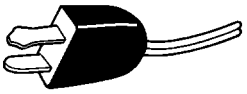
Please read and retain for your safety.

Electrical energy can perform many useful functions. This TV set has been engineered and manufactured to assure your personal safety. But *improper use can result in potential electrical shock or fire hazards.* In order not to defeat the safeguards incorporated in this TV set, observe the following basic rules for its installation, use and servicing. And also follow all warnings and instructions marked on your TV set.

INSTALLATION

1 Your TV set is equipped with a polarized AC line plug (one blade of the plug is wider than the other).

(POLARIZED-TYPE)



This safety feature allows the plug to fit into the power outlet only one way. Should you be unable to insert the plug fully into the outlet, try reversing the plug.
Should it still fail to fit, contact your electrician.

2 Operate the TV set only from a power source as indicated on the TV set or refer to the operating instructions for this information. If you are not sure of the type of power supply to your home, consult your TV set dealer or local power company. For battery operation, refer to the operating instructions.

3 Overloaded AC outlets and extension cords are dangerous, and so are frayed power cords and broken plugs. They may result in a shock or fire hazard. Call your service technician for replacement.

4 Do not allow anything to rest on or roll over the power cord, and do not place the TV set where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.

5 Do not use this TV set near water — for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near swimming pool, etc.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

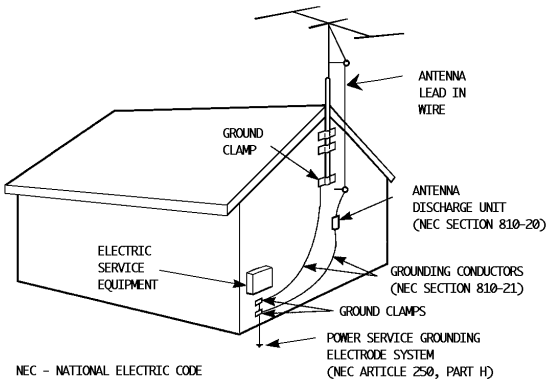
- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not expressly approved by JVC could void the user's authority to operate this equipment.

6 If an outside antenna is connected to the TV set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection requirements for the grounding electrode.

7 An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE


ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
ELECTRIC SERVICE EQUIPMENT
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ARTICLE 250, PART H)
NEC - NATIONAL ELECTRIC CODE

8 TV sets are provided with ventilation openings in the cabinet to allow heat generated during operation to be released. Therefore:
- — Never block the bottom ventilation slots of a portable TV set by placing it on a bed, sofa, rug, etc.
- — Never place a TV set in a "built-in" enclosure unless proper ventilation is provided.
- — Never cover the openings with a cloth or other material.
- — Never place the TV set near or over a radiator or heat register.

9 To avoid personal injury:
- — Do not place a TV set on a sloping shelf unless properly secured.
- — Use only a cart or stand recommended by the TV set manufacturer.
- — Do not try to roll a cart with small casters across thresholds or deep pile carpets.
- — Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.

USE

10 Caution children about dropping or pushing objects into the TV set through cabinet openings. Some internal parts carry hazardous voltages and contact can result in a fire or electrical shock.

11 Unplug the TV set from the wall outlet before cleaning. Do not use liquid or an aerosol cleaner.

12 Never add accessories to a TV set that has not been designed for this purpose. Such additions may result in a hazard.

13 For added protection of the TV set during a lightning storm or when the TV set is to be left unattended for an extended period of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to product due to lightning storms or power line surges.

14 A TV set and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the TV set and cart combination to overturn.

SERVICE

15 Unplug this TV set from the wall outlet and refer servicing to qualified service personnel under the following conditions:
- A. When the power cord or plug is damaged or frayed.
- B. If liquid has been spilled into the TV set.
- C. If the TV set has been exposed to rain or water.
- D. If the TV set does not operate normally by following the operating instructions. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the TV set to normal operation.
- E. If the TV set has been dropped or damaged in any way.
- F. When the TV set exhibits a distinct change in performance — this indicates a need for service.

16 Do not attempt to service this TV set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

17 When replacement parts are required, have the service technician verify in writing that the replacement parts he uses have the same safety characteristics as the original parts. Use of manufacturer's specified replacement parts can prevent fire, shock, or other hazards.

18 Upon completion of any service or repairs to this TV set, please ask the service technician to perform the safety check described in the manufacturer's service literature.

19 When a TV set reaches the end of its useful life, improper disposal could result in a picture tube implosion. Ask a qualified service technician to dispose of the TV set.

20 Note to CATV system installer.
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

TABLE OF CONTENTS

CONNECTIONS

Connections Checklist 5
Front Panel Diagrams 6
Rear Panel Diagrams 6
Cable or Antenna Connections 7
VCR Connections. 9
Audio/Video Connections. 10
DVD Connection. 11
Camcorder Connection. 11

GETTING STARTED

Remote Control 12
Power 13
Adjusting Volume 13
Changing Channels 13
Remote Programming 14
CATV & Satellite Codes 14
VCR Codes 15

MENU FUNCTIONS

Using the Menu 16
Setup Menu
- *Introduction*. 17
- *Memorize Channels*. 17
- *Clock Time*. 18
- *Set Day*. 18
- *Audio/Video Connection*
  - *TV Speakers*. 18
  - *AV Receiver*. 19
  - *Audio Output*. 19
- *Language*. 19

V-Chip. 20
Channel Info Menu
- *Add or Delete Channels*. 24
- *Names for Channels*. 24
- *Names for Inputs*. 25
- *Super Quick View*. 25

Advanced Features
- *Closed Captions*. 26
- *Timer Option*. 26
- *Select Video Mute*. 27
- *Convergence*. 27
- *Reset Factory Defaults*. 27

Menu Functions (Continued)

Audio/Video Settings
- *AV Memory*. 28
- *AV Reset*. 28
- *Audio Settings*
  - *Bass*. 29
  - *Treble*. 29
  - *Balance*. 29
  - *Surround*. 29
  - *Listen to*. 29
- *Video Settings*
  - *IRIS*. 30
  - *Contrast*. 30
  - *Brightness*. 30
  - *Sharpness*. 30
  - *Tint*. 30
  - *Color*. 30
  - *Color Temp*. 30

BUTTON FUNCTIONS

Sleep. 31
Video. 31
Audio. 31
Muting 31
Enter. 31
Cancel. 31
Muting 31
Menu. 31
OSD. 31
10 Key Pad 32
Quick View. 32
Super Quick View. 32
Input. 32
Channel. 32
Volume. 32
VCR Buttons 32
Light. 32
PIP/POP
- *Introduction*. 33
- *Working with PIP/POP*. 34
- *Source*. 34
- *Swap*. 34
- *Channel +/-*. 34

APPENDICES

Troubleshooting 35
Notes on Operation 36
Appendix 1 - Screen Shield. 37
Appendix 2 - Bypassing the Parent Lock. . . 38
Index. 39
Limited Warranty 42
Authorized Service Centers 43
Specifications 44

CONNECTIONS CHECKLIST - READ ME FIRST

The Connections Checklist section of this guide is a list of ideas to keep in mind while you setup your new TV. It is designed to help us not-so-technically-minded individuals make our connections properly. If you read this section and still can't identify the plugs, connectors and components you have, please ask someone for help in making your connections.

1) Always refer to the connection instructions in the user's guide for your components first. The manufacturer will provide the most detailed information about their products.

2) Know your jacks and plugs - most are color coded:

- Yellow plugs are Video connections
- Red plugs are Right Audio connections
- White (or black) plugs are Left Audio (or Mono) connections. If your VCR is mono-sound, it will have only a white or black plug, no second red one).

3) Perform one connection at a time. If you have several accessories to connect, make sure each connection is correct by checking to see that it works properly before trying the next connection.

4) Unplug the power cord during each connection.

5) Follow the In and Out Concept. Remember In and Out - the Output jack from one device will go to the Input jack of the other. Read the jack panels, they are all labeled.

A/V Input Plug

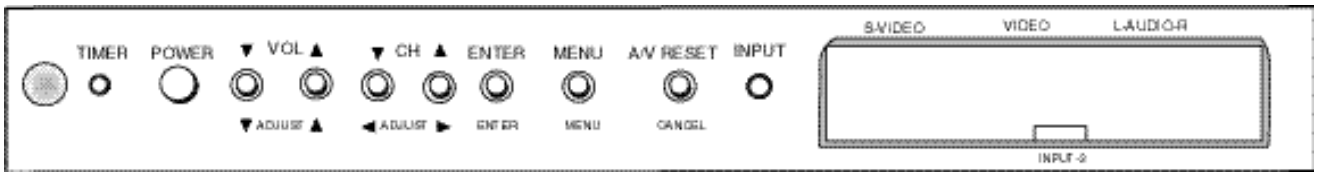
RF Connectors

S-Video Plug

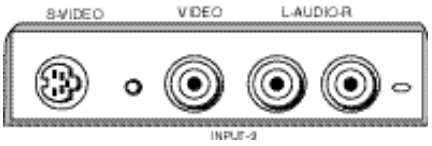
6 Connections

Shown below are illustrations of the Front and Rear panels of the D-Series Projection Televisions. Take a moment to look at the illustrations to familiarize yourself with their layout. The Front Panel controls will be used in the normal operation of your television, while the Rear Panel will be used to connect your television to your other audio/video equipment. Detailed connection information can be found on the next several pages.

Front Panel

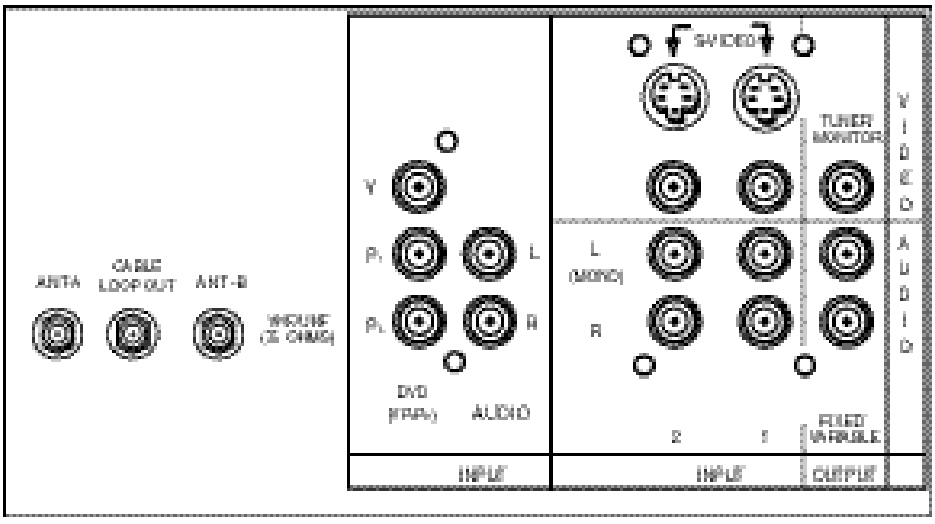


Front Panel for AV-60D501 and AV-50D501



Front Input door open

Rear Panel



Rear Panel for AV-60D501 and AV-50D501

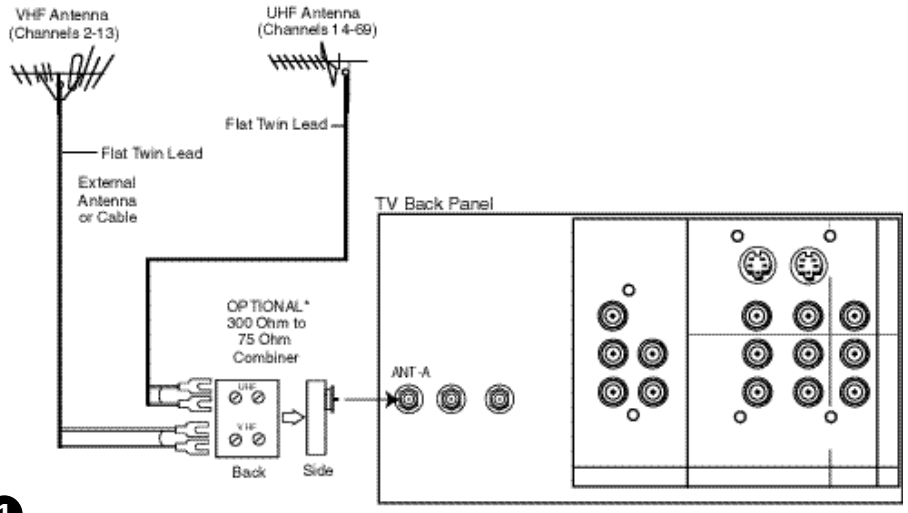
Cable or Antenna Connections

Before you can begin to watch your D-Series Projection television, you will need to connect it to an antenna or cable outlet. The next four diagrams should cover most typical antenna or cable connections.

Use ***Diagram #1*** to connect your television to an antenna with flat cable leads.

Use ***Diagram #2*** to connect your television to an antenna with a coaxial cable lead ***OR*** to a cable system that does not require you to use a cable box to receive any channels.

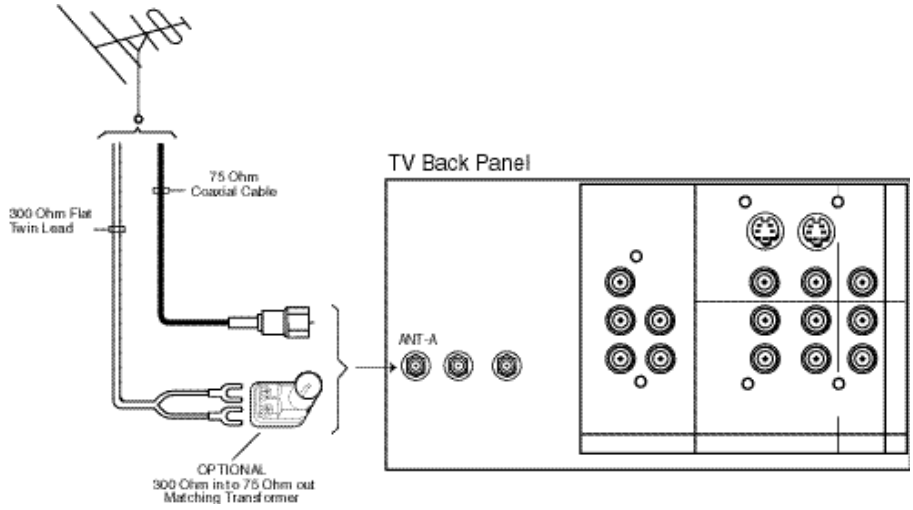
Use ***Diagram #3 or #4*** to connect to a cable system that requires you to use a cable box to receive any or all of you cable channels (i.e. to receive “premium” cable channels).



❶

1) Connect the UHF and VHF antenna leads to the UHF/VHF combiner.

2) Press the combiner box onto the ANT-A coaxial cable input on the television’s back panel.



❷

For Antenna with Twin Flat lead:

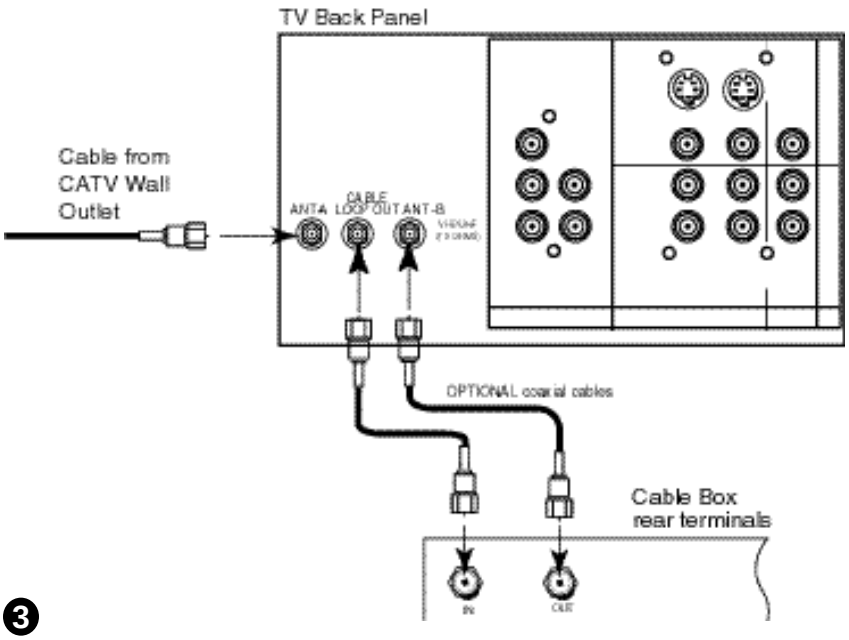
1) Connect the two 300 ohm leads from the antenna to the transformer.

2) Press the 75 ohm plug of the transformer onto the ANT-A coaxial cable input on the television’s back panel.

For Antenna with a Coaxial Cable lead or a Cable System that *does not* require the use of a cable box:

1) Connect the coaxial cable from the antenna to the ANT-A coaxial cable input on the television’s back panel.

8 Connections

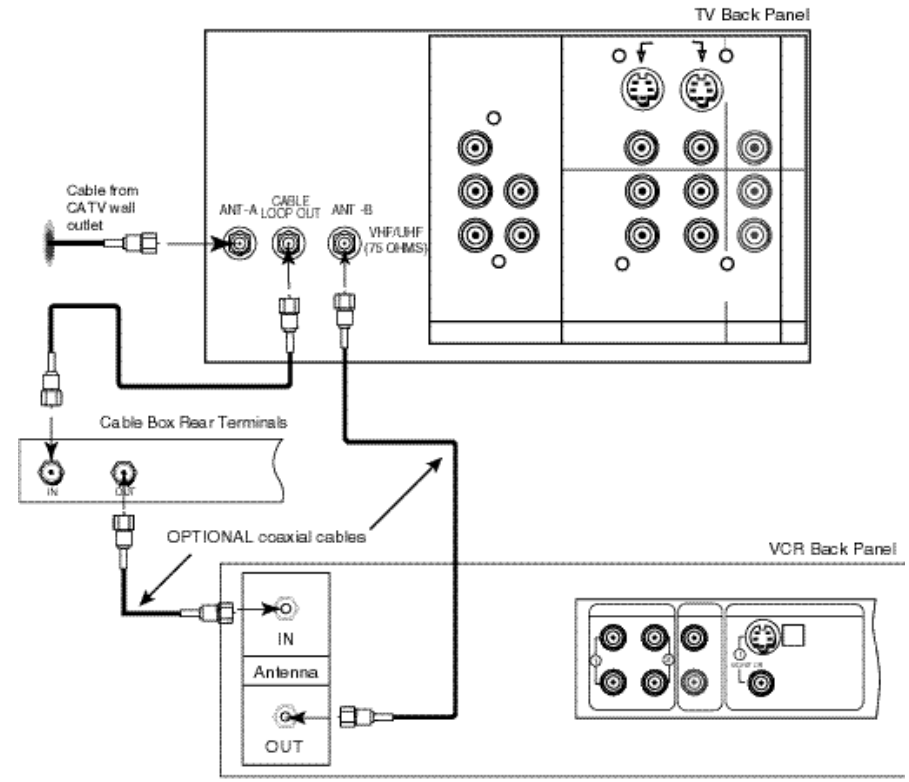


❸

1) Connect the coaxial cable from the cable television outlet to the ANT-A input at the rear of the television.

2) Connect a coaxial cable from the CABLE LOOP OUT jack at the rear of the TV to the input jack on the cable box.

3) Connect a coaxial cable out from the Output jack on the cable box into the ANT-B jack at the rear of the television.



❹

1) Connect the coaxial cable from the cable television outlet to the ANT-A input at the rear of the television.

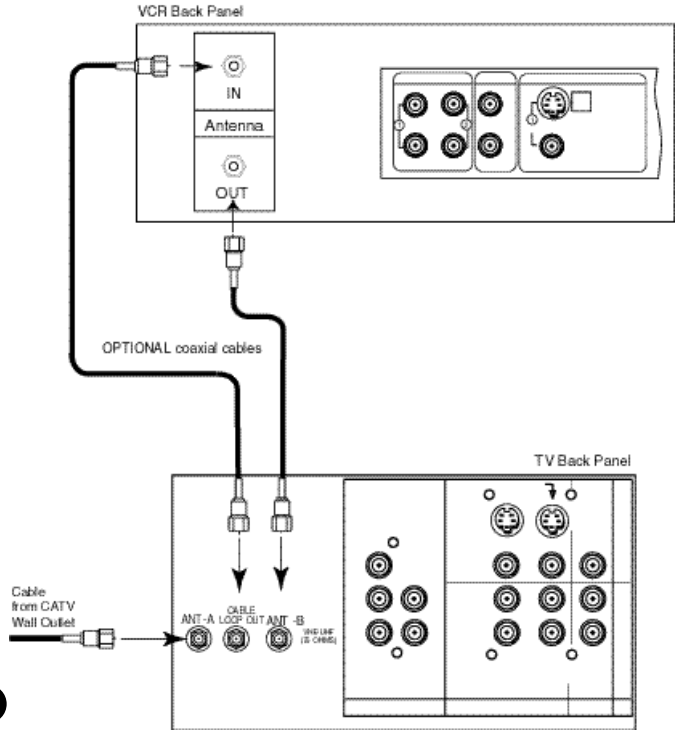
2) Connect a coaxial cable from the CABLE LOOP OUT jack at the rear of the TV to the input jack on the cable box.

3) Connect a coaxial cable OUT from the cable box output to the Antenna In coaxial jack on the VCR.

4) Connect a coaxial cable from the Antenna Out jack on the VCR to the ANT-B input at the rear of the television.

VCR Connections

Use the diagrams below to connect a VCR to your television. For an antenna or cable connection use **Diagram #1**. For stereo-sound connection of an Audio/Video device, use **Diagram #2**.

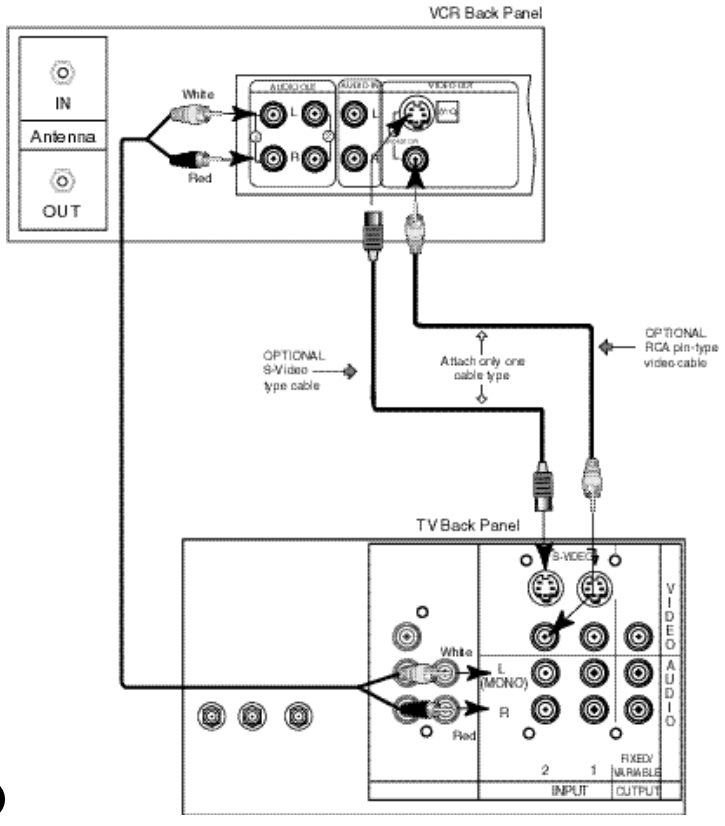


❶

1) Connect the coaxial cable from the cable television outlet to the ANT-A input at the rear of the television.

2) Connect a coaxial cable from the CABLE LOOP OUT jack at the rear of the TV to the input jack on the back panel of the VCR.

3) Connect a coaxial cable out from the Output jack on the back panel of the VCR into the ANT-B jack at the rear of the television.



❷

1) Connect a video cable from the Video Out jack on the back of the VCR to either the Video Input 1 or Video Input 2 jacks on the rear panel of the television.

2) Connect the red audio cable from the right Audio Output jack on the VCR to the right Audio Input jack at the rear of the television.

3) Connect the white audio cable from the left Audio Output of the VCR to the left Audio Input jack at the rear of the television.

S-Video Connection

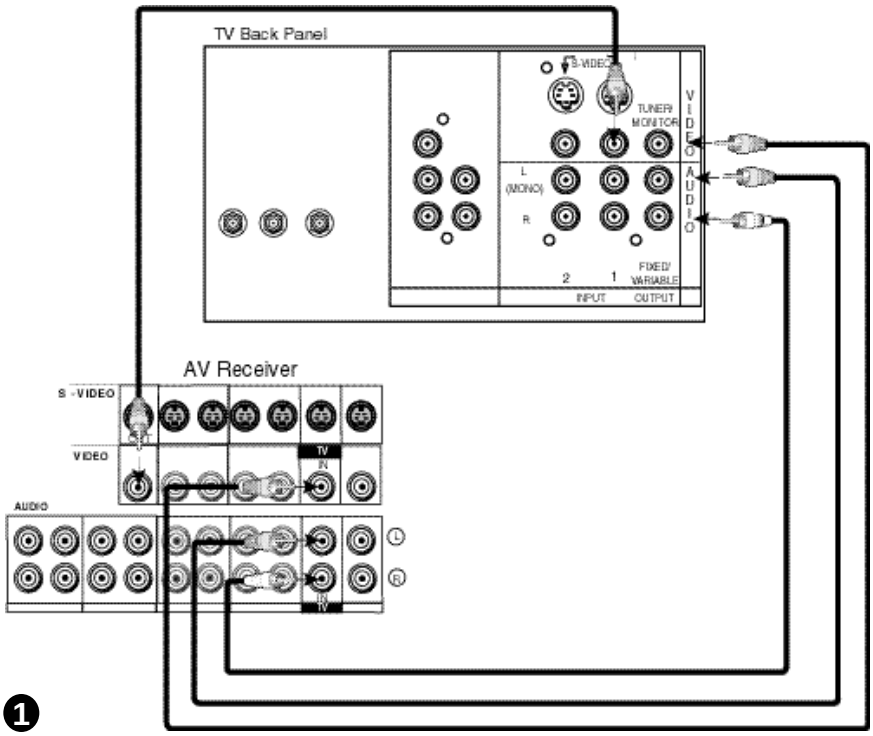
To use the S-Video connections for your VCR, plug an S-Video cable into the output jack at the rear of the VCR. Plug the S-Video cable into one of the two S-Video inputs at the rear of the television.

• Use ***either*** the S-Video or RCA-type video cable connection, not both, from any one device.

10 Connections

Audio/Video Connections - Stereo Systems

Use **Diagram #1** to connect an AV Receiver, use **Diagram #2** to connect to a stereo audio system.

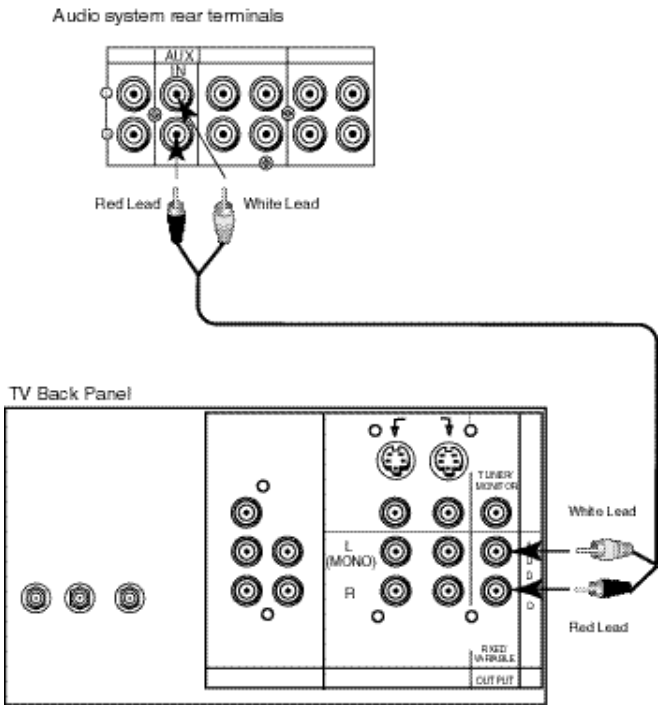


❶

1) Connect a video cable from the Video Monitor Output jack on the back of the AV receiver to the Video Input 1 jack on the television's rear jack panel, using a video plug cable.

2) Connect a video cable from the Video Monitor Output jack on the TV's rear panel to the Video TV In jack at the back of the AV receiver.

3) Connect a set of audio cables from the Audio Output jacks on the TV's rear panel in to the Audio TV In jacks at the back of the AV receiver. The red cable connects the right output to the right input. The white cable connects the left output to the left input.



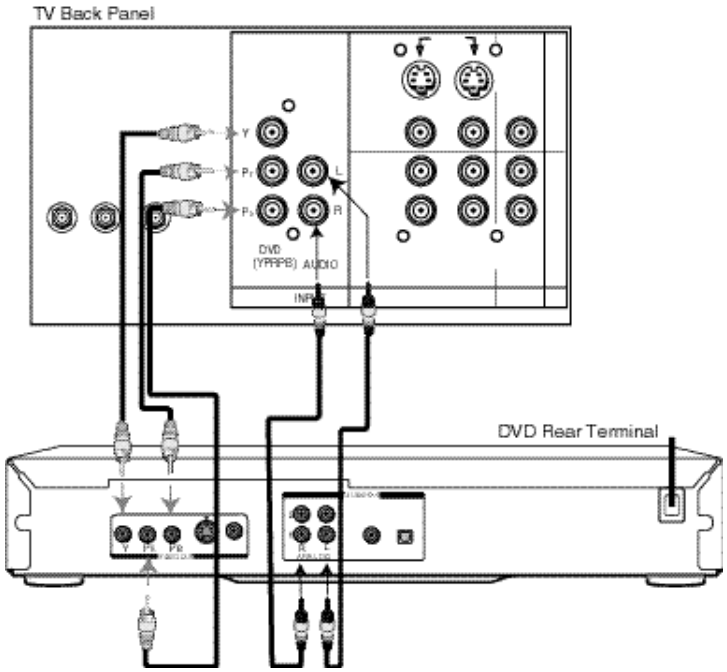
❷

1) Connect the audio cables from the Audio Monitor Output jacks on the television's rear panel to the TV In or Aux In terminals at the back of your audio system. The red cable connects the right Output to the right Input. The white cable connects the left Output to the left Input.

2) Turn off the TV's internal speakers with the option in the AV Connection Menu (see page 18).

3) Set the audio system's input to the TV or AUX position to hear the television audio through the audio system's speakers.

Connecting a DVD Player



1) Connect the Component Video cables from the video output jacks at the back of the DVD player to the DVD input jacks at the back of the television. Make the connections in the following order: Y to Y, P_R to P_R, P_B to P_B.

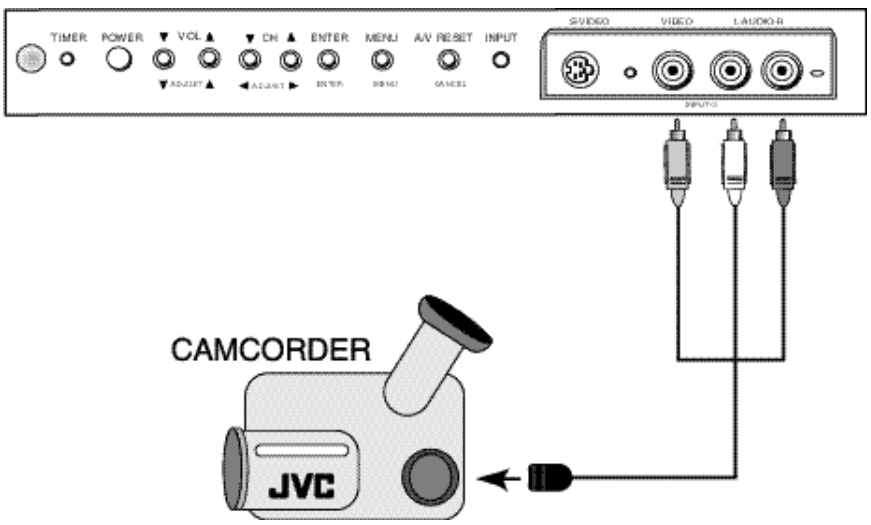
2) Connect a set of audio cables from the Audio Output jacks at the back of the DVD player to the DVD Audio Input jacks located at the back of the television next to the Component Video Input Jacks.

3) Connect the red audio cable from the right Audio Output to the right Audio Input.

4) Connect the white audio cable from the left Audio Output to the left Audio Input.

Connecting a Camcorder

You can quickly connect a camcorder to your D-Series Projection Television using the input jacks located under the front panel door. If you wish, you may connect your camcorder to the rear input jacks by following these steps.



1) Lift gently on the front panel door to open it.

2) Connect the yellow video cable from the camcorder to the Video Input jack on the TV.

3) Connect the white audio cable from the camcorder to the right Audio Input jack on the TV.

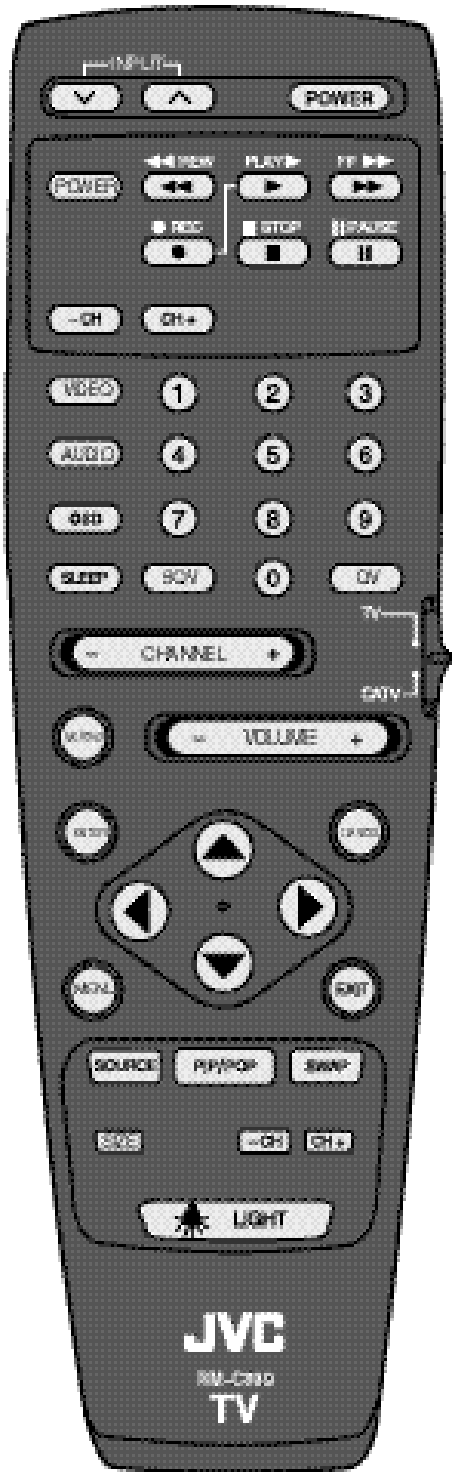
4) If your camcorder is a stereo model, connect the red audio cable from the camcorder to the left Audio Input jack on the TV.

S-Video Connection

There is also an S-Video input located at the front of the television. If you have a camcorder with an S-Video connection, you may use this input. Use either the S-Video or Video input jack, do not use both.

- Other devices, such as game consoles, may be connected using the front input jacks.

RM-C889



Changing the Batteries

Be sure to use only size AA batteries.

1. Push the tab on the remote's battery cover and slide towards the bottom to remove it.
2. Insert two AA batteries (supplied), carefully noting the "+" and "-" markings on the batteries and on the remote control. To avoid a potential short circuit, insert the "-" end first.
3. When batteries are installed, slide the back cover into place (until it clicks into position).

• If the remote control acts erratically, replace the batteries. Typical battery life is six months to one year.

• We recommend using alkaline batteries for longer battery life.

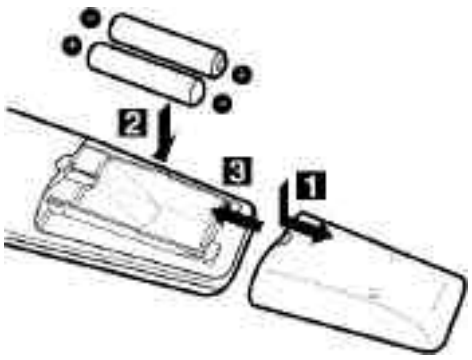
When you change the batteries, try to complete the task within three minutes. If you take longer than three minutes, the remote control codes for your VCR, Cable Box, and other devices may have to be reset (page 14-15).

• When using the remote, be within 20 feet of the television or other component.

• Do not drop the remote, or let it get wet or expose it to a heat source.

• When cleaning the remote use only a soft, damp cloth. Do not use harsh chemical cleaners.

For more information on your remote control's many features, see pages 31 and 32 and your Quick Setup Guide.

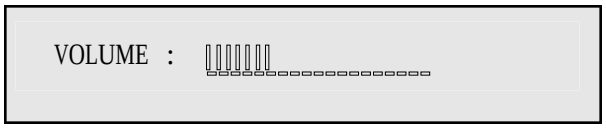


POWER

- Press the POWER button on the remote control or the front panel of the TV. The power lamp will glow green.
- Make sure the TV/CATV switch on the remote is set to TV. Move the switch to CATV only if you plan to operate a cable box. On the CATV setting the remote will only operate the cable box functions.
- To turn the power off, press the Power button again. The power lamp will turn off.
- The On Timer lamp will blink when the On/Off Timer is set (page 26), even when the TV power is off.

ADJUSTING VOLUME

To control the volume level, use the VOLUME+/- buttons on the remote control or on the TV's front panel. Use the VOLUME - button to lower the volume. Press the VOLUME+ button to raise the volume.



Press the MUTING button to instantly turn the volume to zero. Press MUTING again to return to the previous volume level.

CHANGING CHANNELS

❶ 10 key direct access

To move directly to a specific channel, press that channel's numbers on the remote's 10 key pad. For single-digit channel numbers, press "0" then the channel number.

❷ CHANNEL -/+ button

To scan through the channels, press either the CHANNEL + or CHANNEL - button. You will scan through the channels in numerical order.

- After you finish Memorizing Channels (page 17), all channels with poor or no reception will be removed from memory. When you scan you will only receive channels in memory.

❸ Quick View (QV)

The Quick View button will switch to the previous viewed channel. For example, select a channel. Then select a different channel using the 10 key pad buttons. You can now flip back and forth between these two channels by pressing QV.

❹ Super Quick View (SQV)

With Super Quick View you can add a list of your favorite channels into memory. You can then access this list at any time by pressing SQV. Press SQV once to access your favorite channel list. Then each press of SQV will access the next channel on your Super Quick View list. For information on adding or deleting channels to your SQV list, see page 25.

14 Remote Programming

Setting the CATV & VCR Codes

Cable Box / Satellite / VCR setup

1) Find the CATV/Satellite/VCR brand from the list of codes.
2) Slide the 2-way selector switch to “CATV” to program a Cable/Satellite box or to “TV” to program VCR.
3) Press the POWER (for Cable box or Satellite) or VCR POWER (for VCR) and QV buttons at the same time.
4) Enter the first 3-digit code number listed using the 10 key pad.
5) Press the QV button to enter the code.
6) Confirm the operation of the Cable Box/Satellite receiver or VCR.

- If your CATV/Satellite box/VCR does not respond to the first code, try the others listed. If it does not respond to any code, try the Search Codes Function.

Search Codes Function:

1) Slide the 2-Way Mode Selector switch to CATV for Cable/Satellite or TV for VCR.
2) Press the TV POWER (or VCR POWER for VCR) and QV buttons. Hold for at least three seconds and release.
3) Press TV POWER (or VCR POWER), see if the Cable/ Satellite box or VCR responds.
4) If there was a response, press QV. The operating codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 more than 70 times without a response, use the remote control which came with the equipment.

CABLE BOXES	CODE
ABC	001, 003, 007, 008, 011, 013, 014, 017
Allegro	153, 315
Antronix	022, 207
Archer	022, 153, 207
Belcor	056
Cable Star	056
Cabletenna	022
Cableview	022
Century	153
Citizen	153, 315
Colour Voice	025, 031
Comtronics	040
Contec	019
Eastern	002
Everquest	015, 040
Focus	400
Garrard	153
GC Electronics	056, 207
Gemini	015
General Instrument	011, 276, 476
Goldstar	040, 144
Hamlin	009, 020, 034, 259
Hitachi	011
Hytex	007
Jasco	153, 315
Jerrold	003, 011, 012, 014, 015, 276, 476
Linsay	440
Magnavox	027
Memorex	000
Movie Time	063, 156
Novaplex	618
NSC	063, 156
Oak	007, 019
Panasonic	000, 021, 107
Panther	637
Paragon	000
Philips	025, 027, 031, 153
Pioneer	023, 144, 533
Popular Mechanics	400
Pulsar	000
RCA	021
Realistic	207
Recoton	400
Regal	020, 259
Regency	002
Rembrandt	011
Runco	000
Samsung	040, 144
Scientific Atlanta	006, 008, 017, 277, 477
Seam	510
Signal	015, 040
Signature	011
SL Marx	040
Sprucer	021
Starcom	003, 015
Stargate	015, 040
Starquest	015
Sylvania	001
Tandy	258
Teleview	040
Texscan	001
TFC	310
Tocom	012, 013
Toshiba	000
Tusa	015
TV 86	063
Unika	022, 153, 207
United Artists	007
United Cable	003
Universal	022, 056, 153, 191, 207
Videoway	250
Viewstar	027, 063, 258
Zenith	000, 054, 525
Zentek	400
AUDIO BOXES	**CODE**
Jerrold	459, 520
Scientific Atlanta	460
Starcom	459
SATELLITE DISHES	**CODE**
Alphastar	772
Echostar	775
HTS	775
Hughes	749
Jerrold	627
Pace	791
Panasonic	701
Primestar	627
RCA	566
Sony	639
Toshiba	790
JVC	053
Victor	053

VCRs	CODES
Adventura	000
Aiko	278
Aiwa	000
Akai	041, 049, 053, 061, 106
American High	035
Asha	240
Audiovox	037
Beaumark	240
Bell & Howell	104
Broksonic	121, 184, 211, 295, 361
Calix	037
Canon	035
Capehart	020
Carver	081
CCE	072, 278
Citizen	037, 278
Colt	072
Craig	037, 047, 072, 240, 271
Curtis Mathes	035, 041, 060
Cybernex	051, 240
Daewoo	020, 045, 278
Daytron	020
Dynatech	000
Electrohome	037
Electrophonic	037
Emerex	032
Emerson	000, 002, 036, 037, 043, 061, 068, 088, 121, 184, 208, 209, 211, 212, 278, 294, 295, 361, 479
Fisher	047, 054, 066, 104
Fuji	033, 035
Funai	000, 325
Garrard	000, 325
GE	035, 060, 065, 202
Go Video	232
Goldstar	037, 038
Gradiente	000
Grundig	195
Harley Davidson	000
Harmon/Kardon	038, 075
Harwood	068, 072
Headquarter	046
HI-Q	047
Hitachi	041, 042, 065, 105, 166
Jensen	041
JVC	067, 008, 041
KEC	037, 278
Kenwood	038, 041, 067
KLH	072
Kodak	035, 037
Lloyd	000
Lloyd's	208
Logik	072
LXI	037
Magnavox	035, 039, 081, 110, 149
Magnin	240
Marantz	035, 081
Marta	037
Matsushita	035
MEI	035
Memorex	000, 035, 037, 039, 046, 047, 048, 104, 240
MGA	043, 061
MGN Technology	240
Minolta	042, 105
Mitsubishi	043, 061, 067, 075, 173
Motorola	035, 048
MTC	000, 240
Multitech	000, 072
NAD	058
NEC	038, 040, 041, 067, 104
Nikko	037
Noblex	240
Olympus	035
Optimus	037, 048, 058, 104, 162, 432, 454
Optonica	062
Orion	295, 479
Panasonic	035, 077, 162, 225, 454
Penney	035, 037, 038, 040, 042, 054, 240
Pentax	042, 065, 105
Philco	035
Philips	035, 062, 081, 110
Pilot	037
Pioneer	058, 067
Portland	020
Protec	072
Pulsar	039, 051
Quarter	046
Quartz	046
Quasar	035, 077, 162, 454
Radio Shack	000, 037, 325
Radix	037
Randex	037
RCA	042, 060, 065, 077, 105, 106, 149, 202
Realistic	000, 035, 037, 046, 047, 048, 062, 066, 104, 240
Ricoh	034, 253
Runco	039
Salora	075
Samsung	045, 051, 053, 240
Sanky	039, 048
Sansui	041, 067, 271
Sanyo	046, 047, 104, 240
Scott	043, 045, 121, 184, 210, 211, 212
Sears	008, 035, 037, 042, 046, 047, 054, 066, 067, 104, 105
Sharp	048, 062
Shintom	072
Shogun	051, 240
Singer	072
Sony	032, 033, 034, 035, 253
STS	042
Sunpak	253
Sylvania	000, 035, 043, 081, 110
Symphonic	000, 325
Tatung	041
Teac	000, 041
Technics	035, 162
Teknika	000, 035, 037
TMK	036, 208, 240
Toshiba	043, 045, 066, 210, 212, 366
Totevision	037, 240
Unitech	240
Vector	045
Vector Research	038, 040
Video Concepts	040, 045, 061
Videosonic	240
Wards	000, 035, 042, 047, 048, 060, 062, 072, 149, 212, 240
XR-1000	000, 035, 072
Yamaha	038
Zenith	033, 034, 039

Using the Menu

Using this Guide

Certain symbols are used throughout this guide to help you learn about the features of your new television. The ones you will see most frequently are:

▲▼ Up and Down arrows mean press the UP or DOWN arrow buttons on the remote control. Pressing the UP or DOWN buttons let you:

- Move vertically in a main menu screen
- Move through a submenu screen
- Move to the next letter, number, or other choice in a submenu
- Back up to correct an error

◀▶ Left and right arrows mean press the LEFT or RIGHT arrow buttons on the remote control to:

- Select a highlighted menu item
- Select an item in a submenu
- Select numbers in certain menu options

The "Press Button" icon means you should press the button named on your remote control. (Button names appear in SMALL CAPITAL LETTERS.)

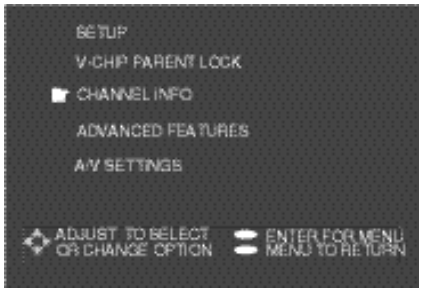
The 'Helping Hand' points to the highlighted or selected item in a menu.

The Onscreen Menus:

To bring up the onscreen menu, press the MENU button on the remote control. The item that appears with the 'Helping Hand' next to it is the one currently selected. The text highlighted in yellow shows which option in the selected item is currently active.

Note: The menus shown in this guide are illustrations for reference purposes, not actual representations of onscreen menus.

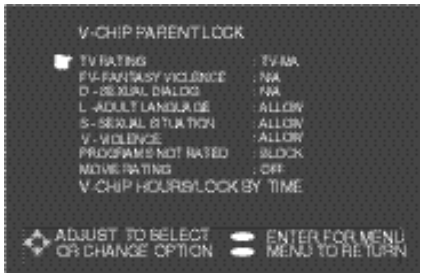
❶ *Main Menu*



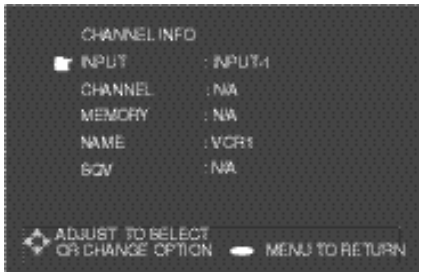
❷ *Setup Menu*

SETUP
MEMORIZE CHANNELS : ANT A CABLE
CLOCK TIME : 12:00 PM
SET DAY : SUNDAY
AV CONNECTION (HOME THEATER)
LANGUAGE (Idioma) : ENGLISH
ADJUST TO SELECT OR CHANGE OPTION
ENTER FOR MENU
MENU TO RETURN

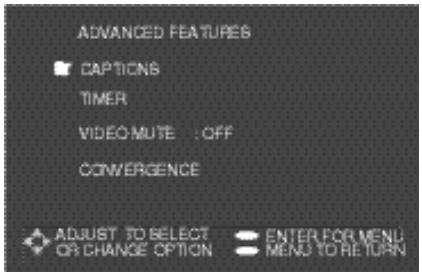
❸ *V-Chip Menu*


V-CHIP PARENT LOCK
TV RATING : TV-MA
FV-FANTASY VIOLENCE : NA
D - SEXUAL DIALOG : NA
L - ADULT LANGUAGE : ALLOW
S - SEXUAL SITUATION : ALLOW
V - VIOLENCE : ALLOW
PROGRAMS NOT RATED : BLOCK
MOVIE RATING : OFF
V-CHIP HOURS/LOCK BY TIME
ADJUST TO SELECT OR CHANGE OPTION
ENTER FOR MENU
MENU TO RETURN

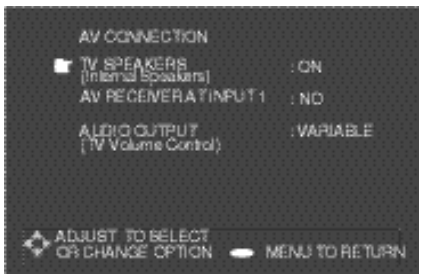
❹ *Channel Info Menu*



❺ *Advanced Features Menu*



❻ *A/V Settings Menu*


AV CONNECTION
TV SPEAKERS (Internal Speakers) : ON
AV RECEIVER AT INPUT 1 : NO
AUDIO OUTPUT (TV Volume Control) : VARIABLE
ADJUST TO SELECT OR CHANGE OPTION
MENU TO RETURN

Introduction

The Setup Menu is designed to help you get your television ready to watch right away. It is recommended that you complete all the items in the Setup Menu before you begin using your new TV. The Setup menu items include:

- *Memorize Channels*
- *Clock Time*
- *Set Day*
- *AV Connection (Home Theater)*
- *Language*

Descriptions of each of the Setup Menu features and how to operate them appear on the next three pages.

Memorize Channels

In Memorize Channels, the TV automatically scans through all available channels, memorizing the active ones and skipping over blank ones or channels with weak signals. This means when you scan (using the CHANNEL +/- buttons) you will receive only clear, active channels.

Press the MENU button

▲▼ To SETUP

Press the ENTER button

SETUP
MEMORIZE CHANNELS : ANT A CABLE
CLOCK TIME : 12:00 PM
SET DAY : SUNDAY
AV CONNECTION (HOME THEATER)
LANGUAGE (Idioma) : ENGLISH
ADJUST TO SELECT OR CHANGE OPTION
ENTER FOR MENU MENU TO RETURN

▲▼ To MEMORIZE CHANNELS

Memorize Channels - Continued

You can memorize channels from the following inputs:

INPUT	CHANNELS THAT CAN BE MEMORIZED
ANTENNA A AIR	21through 69
ANTENNA B AIR	21through 69
ANTENNA A CABLE	1 through 125
ANTENNA B CABLE	1 through 125

▲▼ To move to the Input option

◀▶ To activate

▲▼ To select the Input you want to have memorized

MEMORIZE CHANNELS
MEMORIZE CHANNELS IN MEMORY :002
NOW MEMORIZING ALL THE STATIONS YOU CAN RECEIVE ON ANTENNA A.
PLEASE STAND BY.
CANCEL TO CANCEL MEMORIZATION

Press the ENTER button to begin Memorization

Memorization will take 1 to 2 minutes.

When Memorization is complete the screen will return to the Setup MENU. To exit, press Menu to return to the main menu or press EXIT to return to normal television viewing.

- You can stop Memorization at any time by pressing CANCEL. Any channels memorized before cancelling will remain in memory.

NOTES:

- *You may change your Setup Menu preferences at any time.*
- *More than one input may be memorized. Use the steps above for each input you wish to memorize.*

18 Setup Menu

Clock Time

Before you use any of your TV's timer functions, you must first set the clock.

Press MENU

▲▼ To SETUP

Press ENTER

▲▼ To CLOCK TIME

▶ To move to the time field

▲▼ To set the time

◀ To exit the field when the correct time is set

Press MENU to return to the main menu or press EXIT to return to normal television viewing

Set Day

You also need to set the television to the current day. To set the date:

Press MENU

▲▼ To SETUP

Press ENTER

▲▼ To SET DAY

▶ To move to the time field

▲▼ To the day

◀ To exit the field when the correct day is set

Press MENU to return to the main menu or press EXIT to return to normal television viewing

AV Connection

The AV Connection Menu lets you set your Television up to work with the other pieces of your home entertainment system.

Press MENU

▲▼ To SETUP

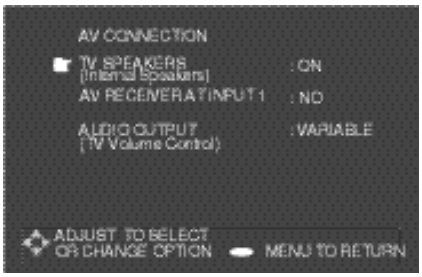
Press ENTER

▲▼ To AV CONNECTION (Home Theater)

Press ENTER to access AV Connection

There are three settings which you can adjust to suit your preferences and other equipment:

- TV Speakers (Internal Speakers)
- AV Receiver at Input 1
- Audio Output (TV Volume Control)



▲▼ To select an option. Connection options are:

TV Speakers

This option allows you to turn off your TV's internal speakers. Select this option if you plan to send the TV's audio to your home stereo or a Surround-Sound AV receiver.

◀▶ To speaker option

▲▼ To turn TV Speakers ON or OFF

◀▶ To save setting and exit field

Warning - If you change the TV Speaker setting from OFF to ON, **make sure the volume is turned down very low!** Otherwise, when the option is turned on, the volume could be extremely loud and could damage the TV's speakers.

• See the chart on page 19 for a list of connections and their proper AV settings.

NOTES:

- *You will have to reset the clock after a power interruption of 90 seconds or longer.*
- *You must set the clock before operating any timer functions.*

AV Connection - Continued

AV Receiver at Input 1

Use this option if you connect an AV Receiver's video output to the TV's Input 1. Set the option to YES to prevent a possible feedback loop which could damage your equipment.

◀▶ To activate

▲▼ To Set AV Receiver at Input 1 to Yes or No

◀▶ To save setting and exit field

• See the chart at the bottom of the page for a list of connections and their proper AV settings.

Audio Output

You have the option of using either the television's remote, or your AV receiver's remote to control the TV volume, when the set is connected to your home theater system. Set Audio Output to FIXED if you wish to use the AV receiver's remote. Select VARIABLE if you want to use your TV's remote to control the volume.

◀▶ To activate

▲▼ To select Audio Output: Fixed or Variable

◀▶ To save setting and exit field

• See the chart below for a list of connections and their proper AV settings.

Language

You can choose to view your onscreen menus in either English or Spanish.

Press MENU

▲▼ To SETUP

Press ENTER

▲▼ To Language

▶ To move to the language field

▲▼ To select English or Spanish (language will change with selection)

◀ To exit the field

Press MENU to return to the main menu or press EXIT to return to normal television viewing

Your initial setup is now complete. Please keep in mind that these settings may be changed at any time by accessing these menus.

The next few pages of the guide deal with setting up your V-Chip guidelines. If you wish to begin your television viewing right away, skip ahead to Channel Info Menu on page 24.

		TV Feature Setting		
Equipment Connected	TV connection used	TV Speakers	AV Receiver at Input 1	Audio Output
VCR	VCR Output to: TV Input 1.	On	No	Fixed or Variable
VCR with • non-remote controlled receiver or stereo system	VCR Output to: TV Input 1. TV Audio Outputs to: stereo system inputs.	Off	No	Variable
VCR with • remote controlled receiver or stereo system	VCR Output to: TV Input 1. TV Audio Outputs to: stereo system inputs.	Off	No	Fixed (use the remote for the AV receiver or stereo to control the volume)
Home Theater AV receiver with • remote, • any VCR • and any other AV equipment	TV Audio outputs to the AV receiver inputs. AV receiver monitor video output to TV Input 1. All other AV equipment outputs to AV receiver inputs.	Off	Yes	Fixed (use the remote for the AV receiver to control the volume)
Home Theater AV receiver with • remote, • any VCR • and any other AV equipment using a combination of video and S-Video cables.	TV Audio & Video outputs to the AV receiver inputs. AV receiver monitor video and S-Video ouput to TV Inputs 1 and 2. All other AV equipment outputs to AV receiver inputs.	Off	Yes	Fixed (use the remote for the AV receiver to control the volume)

20 V-Chip

V-Chip

Your TV is equipped with V-Chip technology which enables TV Parental Guideline and Movie (MPAA) Guideline controls. V-Chip technology allows you to program your TV to receive, or not to receive, programs based on content according to the guidelines you set. Programs which exceed your ratings limits will be blocked from viewing.

When a viewer attempts to watch a blocked program, a passcode message screen like this appears:

```
THE TV IS LOCKED.
V-CHIP LOCKED THE PROGRAM
BECAUSE THE RATING IS
TV-PG
          - - - -

ENTER YOUR PASSCODE USING
NUMBER BUTTONS AND PRESS ENTER
TO WATCH THE PROGRAM.
```

To watch a blocked program, enter the passcode using the 10 key pad.

To set up the TV Parental Guideline Ratings:

Press the MENU button

▲▼ To V-CHIP PARENT LOCK

Press ENTER

```
V-CHIP PARENT LOCK
TO GO TO THE MENU,
ENTER THE PASSCODE.
USE THE NUMBER BUTTONS,
THEN PRESS ENTER.
          - - - -
```

The following screen will appear.

Enter the four digit passcode using the 10-key pad. When the correct code is entered, the V-Chip Menu will appear. All ratings options will be set using this menu.

The first option on the V-Chip Menu is to set the TV Ratings guidelines. A description of each of the TV ratings categories appears in the next column.

U.S. PARENTAL RATING SYSTEMS

Programs with the following Ratings are appropriate for Children.

- ❒ **TV-Y is Appropriate for All Children.**
  Programs are created for very young viewers and should be suitable for all ages, including children ages 2 - 6.
- ❒ **TV-Y7 is for Older Children.**
  Most parents would find such programs suitable for children 7 and above. They may contain some mild fantasy violence or comedic violence, which children should be able to discern from reality.

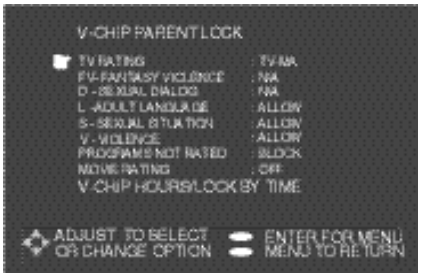
Programs with the following Ratings are designed for the entire audience.

- ❒ **TV-G stands for General Audience.**
  Most parents would find these programs suitable for all age groups. They contain little or no violence, no strong language, and little or no sexual dialog or situations.
- ❒ **TV-PG – Parental Guidance Suggested.**
  May contain some, but not much, strong language, limited violence, and some suggestive sexual dialog or situations. It is recommended that parents watch these programs first, or with their children.
- ❒ **TV-14 – Parents Strongly Cautioned.**
  Programs contain some material that may be unsuitable for children under the age of 14 including possible intense violence, sexual situations, strong coarse language, or intensely suggestive dialog. Parents are cautioned against unattended viewing by children under 14.
- ❒ **TV-MA – Mature Audiences Only.**
  These programs are specifically for adults and may be unsuitable for anyone under 17 years of age. TV MA programs may have extensive V, S, L, or D.

Viewing Guidelines

- V/FV is for VIOLENCE/FANTASY VIOLENCE
- S stands for SEXUAL CONTENT
- L stands for strong LANGUAGE
- D stands for suggestive DIALOG

Directions to Set TV Ratings:


V-CHIP PARENT LOCK
TV RATING : TV-MA
FV-FANTASY VIOLENCE : NA
D - SEXUAL DIALOG : NA
L - ADULT LANGUAGE : ALLOW
S - SEXUAL SITUATION : ALLOW
V - VIOLENCE : ALLOW
PROGRAMS NOT RATED : BLOCK
MOVIE RATING : OFF
V-CHIP HOURS/LOCK BY TIME
ADJUST TO SELECT OR CHANGE OPTION
ENTER FOR MENU MENU TO RETURN

To set a maximum allowed rating with the TV Rating option:

◀▶ To the Rating column

▲▼ To the select the maximum rating

→OFF→TV-Y→TV-Y7→TV-G→TV-PG→TV-14→TV-MA→

Once you have set a maximum rating, you can also program the television to block certain types of material based on the viewing guidelines, such as programs with Violence or Language warnings. (The television is shipped with all categories set to ALLOW).

▲▼ To the category you wish to block

◀▶ To activate

▲▼ To BLOCK or ALLOW

Use these steps for each of the individual guideline categories you wish to change. You may choose to Block or Allow the viewing of any or all the individual categories.

If you access a channel showing blocked programming, you will be asked for the passcode to unblock the channel. If you wish to watch the channel, enter the passcode.

Special Note about Ratings

Some programs are *not* broadcast with a ratings signal. Therefore, even if you setup V-Chip ratings limits, these programs will not be blocked. Parents are cautioned to preview the contents of these programs or movies.

Notes About Unrated Programs:

Unrated programming refers to any programming which does not contain a rating signal. Programming on television stations which do not broadcast rating signals will be placed in the “Unrated Programming" category.

Some examples of Unrated programs:

Emergency Bulletins
Locally Originated Programming
News
Political Programs
Public Service Announcements
Religious Programs
Sports
Weather
Some Commercials

• TV programs or movies that do not have rating signals will be blocked if the Unrated Category is set to BLOCK.

Directions to Block Unrated Programs:

Some programming you receive will not be broadcast with a ratings signal. You may choose to block this programming if you wish.

To block unrated programming:

▲▼ To the Programs not rated column

◀▶ To activate

▲▼ To BLOCK or ALLOW

If you set this option to BLOCK, the passcode screen will appear when an unrated program is tuned in.

NOTES:

Once unblocked, a station will remain unblocked until the television is turned off.

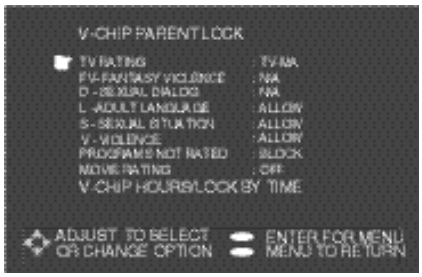
22 V-Chip

Movie Ratings

In addition to ratings information about television programs, your TV can also block programming based on Movie Rating information. This is the rating system you will most often find on premium cable movie channels or on pay-per-view channels. Brief descriptions of each rating appear below.

- ❒ **OFF.**
  The V-Chip movie ratings filter is off.
- ❒ **G – General Audience.**
  In the opinion of the review board, these films contain nothing in the way of sexual content, violence, or language that would be unsuitable for audiences of any age.
- ❒ **PG – Parental Guidance.**
  Parental Guidance means the movie may contain some contents such as mild violence, some brief nudity, and strong language. The contents are not deemed intense.
- ❒ **PG-13 – Parents Strongly Cautioned.**
  Parents with children under 13 are cautioned that the content of movies with this rating may include more explicit sexual, language, and violence content than movies rated PG.
- ❒ **R – Restricted.**
  These films contain material that is explicit in nature and is not recommended for unsupervised children under the age of 17.
- ❒ **NC-17 – No One Under 17.**
  These movies contain content which most parents would feel is too adult for their children to view. Content can consist of strong language, nudity, violence, and suggestive or explicit subject matter.
- ❒ **X – No One under 18.**
  Inappropriate material for anyone under 18.

Directions to Set Movie Ratings:


V-CHIP PARENT LOCK
TV RATING : TV-MA
FV-FANTASY VIOLENCE : N/A
D - SEXUAL DIALOG : N/A
L - ADULT LANGUAGE : ALLOW
S - SEXUAL SITUATION : ALLOW
V - VIOLENCE : ALLOW
PROGRAMS NOT RATED : BLOCK
MOVIE RATING : OFF
V-CHIP HOURS/LOCK BY TIME
ADJUST TO SELECT OR CHANGE OPTION
ENTER FOR MENU MENU TO RETURN

To set a maximum allowed movie rating:

▲▼ To the Movie Rating column

◀▶ To activate

▲▼ To select the maximum rating

→ OFF → G → PG → PG-13 → R → NC-17 → X →

All movies rated at or above the rating you have set will be blocked. To watch a blocked movie, enter the passcode when it is requested onscreen. You may change your Movie Ratings preference whenever you wish.

NOTES:

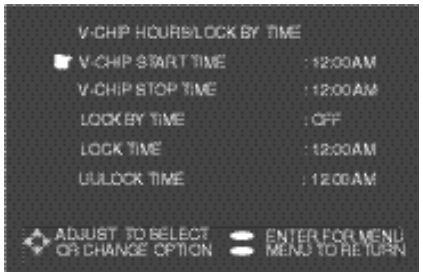
*In order for V-Chip settings to take effect, **V-Chip settings must be turned ON in the V-Chip menu.***
You can automatically unblock all of your restrictions by turning V-Chip settings OFF in the V-Chip menu.

Set V-Chip/Lock Time

You have the option of setting the V-Chip ratings to work for only a portion of the day. You may also lock **all** of the television stations (regardless of V-Chip ratings) for a period of the day.

To set a V-Chip or Lock time, use the arrows to move to the V-CHIP HOURS/LOCK BY TIME option at the bottom of the V-Chip menu and press Enter.

Note: If no V-Chip or Lock time is set, any V-Chip ratings entered will be active 24 hours a day.


V-CHIP HOURS/LOCK BY TIME
V-CHIP START TIME : 12:00AM
V-CHIP STOP TIME : 12:00AM
LOCK BY TIME : OFF
LOCK TIME : 12:00AM
UULOCK TIME : 12:00AM
ADJUST TO SELECT OR CHANGE OPTION
ENTER FOR MENU MENU TO RETURN

To set the V-Chip Timer:

▲▼ To V-CHIP START TIME
◀▶ To time field
▲▼ To set time
◀▶ To confirm time
▲▼ To V-CHIP STOP TIME
◀▶ To time field
▲▼ To set time
◀▶ To confirm time

Your V-Chip operation times are now set.

Lock By Time

If you would rather block ALL channels during a certain time period, use the Lock by Time option. To set Lock by Time:

▲▼ To LOCK TIME
◀▶ To time field
▲▼ To set time
◀▶ To confirm time
▲▼ To UNLOCK TIME
◀▶ To time field
▲▼ To set time
◀▶ To confirm time

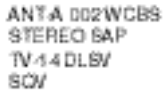
Your Lock and Unlock times are now set. To activate the time lock:

▲▼ To LOCK BY TIME
◀▶ To ON or OFF
▲▼ To turn lock ON or OFF

Press MENU to return to the Menu, or EXIT to return to normal television viewing.

Accessing V-Chip Information:

To access Rating information about a certain program, press the OSD button while viewing that program. A display like this will appear onscreen at the top left corner:



NOTES:

Appendix B contains instructions on how to bypass the parent lock.

24 Channel Info Menu

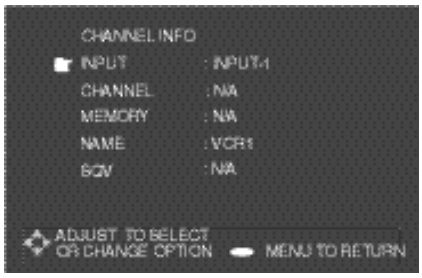
Channel Info Menu

The Channel Info Menu lets you modify the list of channels Memorized by the Memorize Channels feature. The following options will let you add or delete channels from memory, add on-screen names to channels or inputs and select channels to include in your Super Quick View (SQV) list. To access the Channel Info Menu:

Press the MENU button to display the Main Menu

▲▼ To CHANNEL INFO

Press ENTER to select



▲▼ To choose the Channel Info option you want. The options are described in the following sections:

Adding or Deleting Channels

With this option you can remove any unwanted channels that were memorized during Memorize Channels. You can also add channels to the memory which were not included in the original scan, such as new channels or channels that were too weak to be received clearly during Memorize Channels.

▲▼ To the CHANNEL column

◀▶ To the channel field

▲▼ To select a channel to add or remove

◀▶ To exit the field

▲▼ To the Memory column

◀▶ To the memory field

▲▼ To the add or remove the selected channel

EXIT when finished

Selecting Names for Channels

You can add a name to any or all of the memorized channels. This name, such as the channels call-sign (i.e. WCBS), will be displayed on screen for a few seconds whenever that channel is selected. The name may be up to four characters long.

With the Input and Channels fields set to the channel you wish to name:

▲▼ To move to NAME

◀▶ To move to NAME field

▲▼ To select the first character. Characters avail able are: letters A-Z, Numbers 0-9, and symbols (! . & / : * - , and < blank >)

Press ENTER to save character and move to the next

Repeat until all four spaces are filled. For names under four characters insert <blank> spaces.

To change a character:

◀▶ To the character you wish to change

Press CANCEL

You may now re-input the character. To delete the entire name move to the first space and press CANCEL.

You may name as many of the channels as you wish. When you are finished, press MENU to return to the main menu, or EXIT to return to normal television viewing.

NOTES:

Some cable systems experience interference from radio frequencies on cable Channel 95. You may choose to delete this channel from memory using the steps listed above.

Selecting Names for Inputs

You may also give names to the devices connected to the TV's inputs. There are 15 names available for the inputs, they are: **VCR1;VCR2; DVD; LASER; SAT** (for satellite); **CABLE; CAM** (for camcorder); **GAME;VHS; S-VHS; DTV; WEB; MAIN; AUX;and SURV** (for a surveillance or security camera).

To name the inputs, from the CHANNEL INFOmenu:

▲▼ To Input

◀▶ To field

▲▼ To select Input-1, Input-2, Input-3

◀▶ To return to left column

▲▼ To Name

◀▶ To field

▲▼ To select Input name from list

◀▶ To save name and exit

You may name as many of the inputs as you wish. When you are finished, press MENU to return to the main menu, or EXIT to return to normal television viewing.

Selecting Super Quick View (SQV) Channels

Super Quick View (SQV) lets you put together a list of your favorite stations which can be accessed by pressing the SQV button on your remote control. When you turn to a channel on your SQV list, the letters "SQV" will display on screen along with the channel number for a few seconds.

To Add SQV Channels using the remote control

Turn to the channel you wish to add either with the CHANNEL +/- or 10 key buttons.

Press and hold SQV for three seconds

The letters "SQV" will appear on screen showing that this channel has been added to your SQV list.

To Remove SQV Channels using the remote control

Turn to the channel you wish to add either with the SQV, CHANNEL +/- or 10 key buttons.

While "SQV" is displayed on screen, press CANCEL

The letters "SQV" will disappear from the screen showing that this channel has been deleted from your SQV list.

- CANCEL must be pressed while "SQV" is on screen. Pressing CANCEL after "SQV" has disappeared will not remove the channel.

Using SQV

To access your SQV list, press the SQV button on the remote. To move to the next channel on your SQV list, press SQV again.

NOTES:

SQV channels can be memorized only from Input-1 and Input-2.

Advanced Features

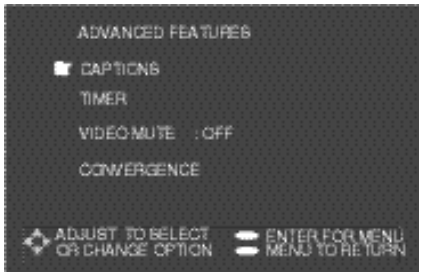
Advanced Features

The Advanced Features menu lets you adjust some of the other features of your television. The menu options are described in the following sections. To access the Advanced Menu:

Press MENU to display the Main Menu

▲▼ To Advanced Features

Press ENTER to access the Advanced Features menu

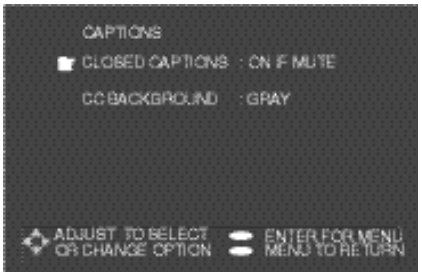


Closed Captions

Your television can display Closed Caption content when included with a broadcast. There are two types of Closed Captions broadcast: **Standard**, which follows the dialog of the characters on screen and usually displays along the bottom of the screen, and **Text** which provides additional information included with a broadcast and displays in the center of the screen. To set up your Closed Captioning options:

▲▼ To Closed Captions

◀▶ To the Closed Captions options field



Closed Captions - Continued

• You will have a choice of four closed caption channels (CC1 - CC4) and four text channels (Text1 - Text4). Closed Captions are usually found on channel CC, Text is usually found on channel Text1. The other channels are for future use.

▲▼ To select the option: CC1 - CC4, Text1 - Text4, ON IF MUTE, or OFF

• On if Mute will display the signal of CC1 whenever you press MUTE on the remote control.

◀▶ To leave the Closed Caption field

Your selection will be activated. You may also select a background color for the Closed Caption text. You may choose either a black or gray background.

▲▼ To CC BACKGROUND

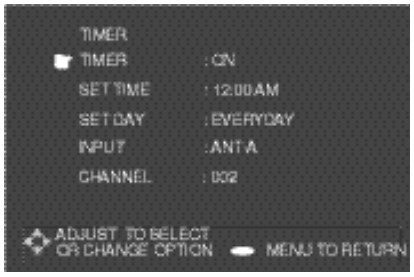
◀▶ To the background color field

▲▼ To select either GRAY or BLACK

Once your Closed Captions preferences are set you may return to the Advanced Features Menu by pressing MENU, or return to normal television viewing by pressing EXIT.

Timer Option

The Timer will automatically turn your TV on and tune it to a pre-selected channel at a time you select. Access the Timer settings by selecting the Timer option from the Advanced Features menu.



NOTES:

Closed Captions subtitles are programmed by the broadcast channel. Any misspellings are the fault of the broadcaster and not a malfunction of the television. Closed captioning may not work correctly if the signal being received is weak or if you are playing a video tape. Most broadcasts containing Closed Captioning will display a notice at the start of the program.
On/Off Timer cannot be set to locked or guarded channels.
In order for the On/Off Timer to work, the clock must be set. After a power interruption Timer settings must be reset.

Timer - Continued

▲▼ Set Time

◀▶ To the time field

▲▼ To set the time

To save and move to the next option

Use this procedure to input your Day, Input and Channel settings. When the Timer is set as you wish, move to the Timer field

◀▶ To ON/OFF

▲▼ To turn the timer ON or OFF

If you turn this setting to ON, your Timer settings will go into effect. If you turn this setting to OFF, any timer settings will be cancelled. When you have

finished, press MENU to return to the Advanced Features menu, or EXIT to return to normal television viewing.

When the Timer turns the set on, a message will appear on screen. If you want the TV to stay on, press any button on th remote or TV's front panel. If you do not press a button within five minutes of the Timer turning on, the TV will shut off.

Select Video Mute

Video Mute displays a blue screen instead of static whenever the TV is tuned to a weak or empty channel.

▲▼ To Video Mute

◀▶ To turn Video Mute ON or OFF

Convergence

Your JVC projection television contains three picture tubes with large diameter lenses that project images onto a screen to form your television pictures. Each tube projects one color: red, green, or blue. The three tubes were carefully aligned by JVC at the factory to provide you with the best picture quality possible.

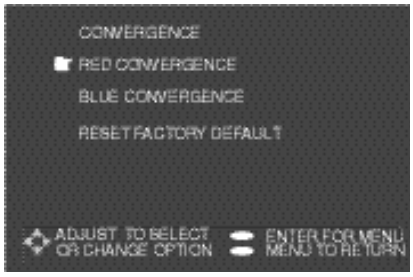
With the convergence feature, you have the ability to adjust these picture tubes should you feel they are out of alignment..

To access the Static Convergence options (from Advanced Features menu):

Convergence - Continued

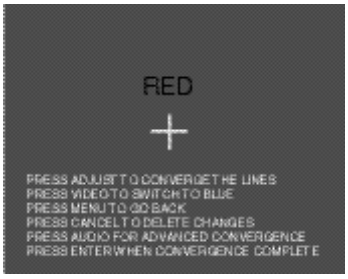
▲▼ To Convergence

◀▶ To Red Convergence (the following screen will appear)



Select Red Convergence. The adjustment screen will now appear.

Using the arrow keys, align the color you see until only a single white cross is displayed. The cross shows the beams are correctly aligned.


RED
PRESS ADJUST TO CONVERGE THE LINES
PRESS VIDEO TO SWITCH TO BLUE
PRESS MENU TO GO BACK
PRESS CANCEL TO DELETE CHANGES
PRESS AUDIO FOR ADVANCED CONVERGENCE
PRESS ENTER WHEN CONVERGENCE COMPLETE

Press VIDEO to switch from Red to Blue

Using the arrow keys again, align the color you see until only a single white cross is displayed. The cross shows the beams are correctly aligned.

Press MENU to exit

Reset Factory Defaults

If you have performed any Convergence adjustments, but later wish to undo them, you can reset the factory default adjustments to the picture tubes.

▲▼ To Reset Factory Default

Press ENTER to operate

The Convergence will reset to the defaults set at the factory.

Press MENU to return to the menu or EXIT to return to normal television viewing

Audio/Video Settings

Adjusting the Audio and Video Settings

You can further customize your television's sound and picture by adjusting the audio and video settings. You have the ability to select one of five preset adjustment settings or make your own adjustments to a number of individual audio or video settings.

To access the Audio/Video Settings menu:

Press MENU to display the Main Menu

▲▼ To AUDIO/VIDEO SETTINGS

Press ENTER to access the Audio/Video Settings menu

AV Memory

Your television comes with five pre-set groups of audio and video adjustments designed to give the best picture quality for different conditions. The five settings are:

STANDARD - The factory settings the television was shipped with. This is the setting that will be in effect when the set is first turned on.

DAYLIGHT - Settings designed to give the best picture quality during daylight hours.

EVENING - Settings designed to give the best picture quality during evening hours.

HOME TH. - Settings designed to give the best picture and sound quality when used as part of a home entertainment system

DVD - Settings designed for optimal performance with a DVD player.

AV Memory - Continued

▲▼ To AV MEMORY

◄► To activate

▲▼ To choose an AV Memory setting: **STANDARD, DAYLIGHT, EVENING, HOME TH.,** or **DVD**

• You can select a different memory setting for Input-1, Input-2, and Input-3.

Each setting can be further adjusted using the audio and video setting adjustments described on the next page.

AV Reset for Standard

At any time you can automatically reset your television's audio and video settings to the Standard settings "memory" set at the factory.

▲▼ To AV Reset for Standard

Press ENTER to reset settings to factory Standard

Audio/Video preferences will be reset to the original settings.

Audio Settings

You have the option of making further adjustments to your television's sound. These adjustments can be made at any time. The adjustments include individual areas of sound quality to stereo and surround sound effects.

To change the Audio Settings, from the Audio/Video Settings Menu:

▲▼ To AUDIO SETTINGS

Press ENTER TO activate

or, from your remote control,

Press AUDIO

An adjustment bar or option will appear onscreen. The individual Audio Settings are as follows:

BASS

Lets you increase or decrease the amount of low-frequence sound.

▶ To increase the bass

◀ To decrease the bass

▲▼ To save and move to the next setting

TREBLE

Lets you increase or decrease the amount of high-frequence sound.

▶ To increase the treble

◀ To decrease the treble

▲▼ To save and move to the next setting

BALANCE

Lets you adjust the distribution of sound between your TV's left and right speakers.

▶ To shift the balance to the right

◀ To shift the balance to the left

▲▼ To save and move to the next setting

Audio Settings - Continued

SURROUND

Creates simulated stereo and surround sound effects. The three settings are:

OFF - Choose this setting if you do not want any surround effects. This is also the setting to use if you are connected to an A/V Receiver with Dolby Pro Logic Surround or Dolby Digital Surround.

SIMULATED STEREO - Choose this setting if you are watching a non-stereo program. The television will create a simulated stereo sound effect using the TV's speakers.

SURROUND - Choose this setting if you are watching a stereo broadcast. The TV's internal speakers will create a "surround" effect, making the sound seem like it is all around you.

LISTEN TO

Many broadcasts today contain several audio tracks. The Listen to option selects which audio track you wish to hear. Settings are:

STEREO - This is the default setting. Stereo broadcasts will play in stereo, mono broadcasts will play in mono.

SAP - (Second Audio Program). This setting will play the SAP. (if one is included in a broadcast). SAP may be dialog in second language, or additional information such as a weather report. Programs with SAP, display a "SAP" logo at the start of the broadcast.

MONO - Use this setting if you are receiving a weak stereo signal to eliminate excess noise. Otherwise it is best to use the "Stereo" setting (mono broadcasts received will be played in mono).

LEVEL SOUND

This option automatically equalizes the volume of broadcasts, providing for a consistent sound level. Use this to eliminate overly-loud audio in commercials during programs. For the best audio fidelity of music programs, you may want to set this option to Off.

NOTES:

You may leave the audio settings at any time by pressing EXIT. If you do not make any adjustments to the audio settings for 20 seconds, the display will turn off and any adjustments you made will be saved.

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Audio/Video Settings

Video Settings

You have the option of making further adjustments to your television's video display qualities. These adjustments can be made at any time. The adjustments include individual areas of video quality to overall picture display effects.

To change the Video Settings, from the Audio/Video Settings Menu:

▲▼ To VIDEO SETTINGS

Press ENTER to activate

or, from your remote control,

Press VIDEO

An adjustment bar or option will appear onscreen. The individual Video Settings are as follows:

IRIS

The Intelligent Room Illumination Sensor. IRIS (when activated) detects the level of light in the room and automatically makes adjustments to the picture's contrast and brightness to give the best picture quality.

◀▶ To turn IRIS ON or OFF

▲▼ To save and move to the next setting

CONTRAST

Provides a measure of white-to-black levels in the picture. Low contrast will show a variety of dark shades, while high contrast will make the picture seem more vibrant overall.

▶ To increase the contrast

◀ To decrease the contrast

▲▼ To save and move to the next setting

- When IRIS is on, Contrast will display as "IRIS".

BRIGHTNESS

Lets you adjust the overall brightness of the screen image.

▶ To increase the brightness

◀ To decrease the brightness

▲▼ To save and move to the next setting

- When IRIS is on, Brightness will display as "IRIS".

Video Settings - Continued

SHARPNESS

Lets you adjust the overall brightness of the screen image.

▶ To increase the brightness

◀ To decrease the brightness

▲▼ To save and move to the next setting

TINT

Lets you adjust the ratio of red-to-green displayed in the picture.

▶ To make the picture appear more red

◀ To make the picture appear more green

▲▼ To save and move to the next setting

COLOR

Lets you adjust the overall color intensity of the screen image.

▶ To increase the color intensity

◀ To decrease the color intensity

▲▼ To save and move to the next setting

COLOR TEMP

Color temperature is a measure of how intense the white light in the television picture appears. This intensity has an effect on the overall appearance of the television picture. There are three possible Color Temp settings:

LOW 6500 K - This represents the industry standard setting for projection televisions. Overall, images will have a 'warm' cast to them. This adjustment is an average and can vary depending on the age of the television, light level of the room, and the brightness of a specific video scene.

HIGH - With this setting, white images will have a 'cool' cast to them. This setting will likely provide the most realistic colors in brightly lit rooms.

MEDIUM - This setting displays on screen whites in a balanced area between the High and Low 6500K settings.

NOTES:

You may leave the video settings at any time by pressing EXIT. If you do not make any adjustments to the video settings for 20 seconds, the display will turn off and any adjustments you made will be saved.

Remote Control Buttons

A wide-range of television features and functions can be directly accessed with buttons located on your remote control. The following is a list of remote control buttons and how they work.

SLEEP

The Sleep Timer lets you program your television to automatically turn itself off after you fall asleep.

SLEEP

→ 30 → 60 → 90 → 120 → Off →

The Sleep Timer window will appear on screen Each press of the SLEEP button adds 30 minutes to the Timer. A maximum of 120 minutes can be programmed into the timer. The Timer is set when the onscreen display disappears. To check on how much time remains on the Timer, press SLEEP again.

Cancelling the Sleep Timer

Press the SLEEP button. The time remaining on the Timer will appear. Continue to press SLEEP until the Timer reads “Off”

The Timer is now cancelled.

VIDEO

Press VIDEO to access your Video adjustment controls. For more on adjusting the Video output, see page 30.

AUDIO

Press AUDIO to access your Audio adjustment controls. For more on adjusting the audio output, see page 29.

MUTING

The MUTING button automatically turns the television volume down to zero.

MUTING

To restore the volume to its previous level, press MUTING again.

• If you have “Caption if Mute” turned on, Closed Captioning will appear at the bottom of the screen whenever Muting is turned on. Captions will stop when the normal volume is restored.

ENTER

Press ENTER to input a selection in a menu screen

ENTER

You can also use ENTER along with the 10 key pad to directly access TV channels. For example to tune directly to Channel 7:

7 (seven)

ENTER

CANCEL

Press CANCEL to stop the selection of items or functions in menu screens.

CANCEL

MENU

Press MENU to access the JVC onscreen menu system.

MENU

OSD

Press OSD to bring up information on a channel or program on screen. This information may include: Channel Number, Channel Name, V-Chip Rating, Stereo Broadcast and Current Time.

OSD

32 Button Functions

10 Key Pad

The buttons of the 10 Key Pad, let you directly access television channels. For example, to turn to channel 47:

4 (Four)

7 (Seven)

Enter

Quick View (QV)

Instantly returns to the previous channel watched. For example, if you were watching Channel 5 and turned to Channel 23:

QV

You will return to Channel 5.

Super Quick View (SQV)

Super Quick View (SQV) lets you set a list of favorite channels that can be accessed by pressing the SQV button.

SQV

The first channel in your SQV list will appear. To move to the next channel on your list, press SQV again.

You can also add channels to your list with the SQV button. To add a channel, access it using the 10 key pad.

SQV

The letters 'SQV' will appear on screen to show the channel has been added to your SQV list. For more information on SQV, see page 25.

Input

The Input buttons let you cycle through the television's different inputs to access the equipment you have attached to each.

Input

• If you have named your Inputs (see page 25) the input names will appear on screen as you move through them.

Channel

The Channel buttons let you scan through all the channels in your television's memory one at a time.

Channel +/-

As you scan, the Channel number for each station will appear on screen for a few seconds after you first tune to that channel. Other information such as V-Chip rating, Stereo or SAP broadcast, and Channel name (if added - see page 24) will also appear.

Volume

The Volume buttons raise or lower the television's volume level.

Volume + to raise the volume level

Volume - to lower the volume level

• The Volume +/- buttons control the TV's internal speakers. They can also control the volume of external speakers, see page 18 for information on controlling external speakers.

VCR Buttons

On the upper part of the remote control are a group of buttons which will allow you to control your basic VCR functions. The controls include: Play, Pause, Rewind, Fast Forward, Record, Channel Up or Down and VCR Power. Your VCR comes programmed to control JVC-brand VCR's. See page 15 for a list of control codes for other manufacturer's brand VCRs.

Light

The RM-C889 remote includes illuminated buttons for ease of use in low-light levels. Press the Light button to turn the illumination on.

Light

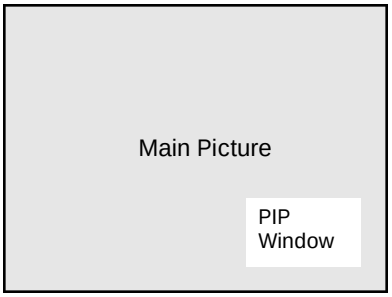
The illumination will turn off automatically after a few moments.

Picture-In-Picture (PIP) / Picture-Outside-Picture (POP)

Your JVC D-Series projection television comes with 2-tuner PIP/POP. This means your TV can receive and display two separate video signals at once. The PIP/POP feature can be displayed in three ways:

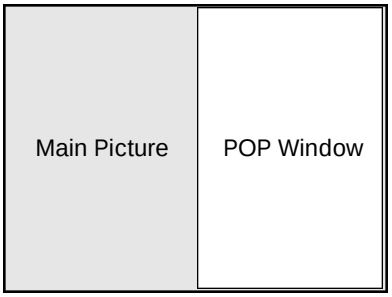
Picture-In-Picture (PIP)

In PIP mode, the television displays a smaller PIP window within the main television picture.



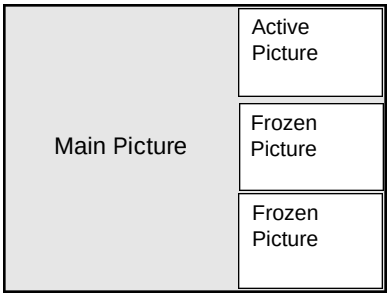
Picture-Outside-Picture (POP) - Split Screen

In the first POP mode, the television displays a second video signal in a window next to the main television picture.



POP - Three Window Mode

In the second POP mode, the television displays three smaller windows along the left side of the main television picture. In this mode, the PIP/POP tuner moves through all available channels for the PIP/POP input selected. An active picture is displayed for several seconds, the picture in that window then freezes and the active picture moves to the next window.



Open the PIP/POP window by pressing the PIP/POP button.

PIP/POP

The first press will open up the PIP window. Channel numbers for both the PIP window and main screen will appear. To open the POP window, press PIP/POP again while the channel number display is still on screen. The POP split-screen window will appear. To open the three-window POP, press PIP/POP again while split-screen channel numbers are displayed.

NOTES:

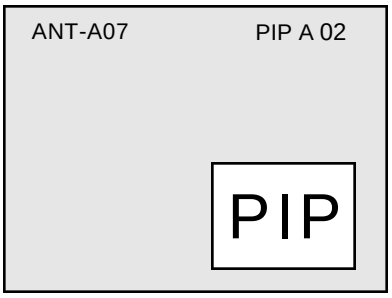
In order for PIP/POP to work, the television must be set to "TV mode". If you play a videotape, your TV will switch to "VCR mode". The TV only sees one signal in VCR mode. In order to use PIP/POP, press the TV/VCR button to return to TV Mode. PIP/POP will not display blocked channels or programs. A blue screen will display instead.

Button Functions - PIP/POP

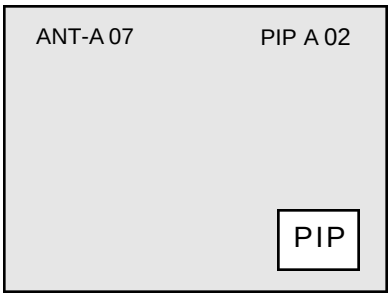
Working with PIP

You can change the size of the PIP window.

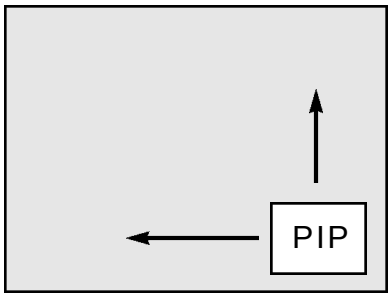
PIP SIZE



Each press of the PIP SIZE button decreases the size of the window. You can select five different sizes of window from $^1/_5$ to $^1/_9$ the total screen size.



You can also move the PIP window anywhere on the TV screen using the four-way cursor buttons.



SOURCE

You can select the signal source for the PIP window image.

SOURCE

TV → INPUT-1 → INPUT-2 → INPUT-3 →

- If the PIP does not have a signal, the window will be blue.

SWAP

You can exchange the channel displayed on the main screen for the one shown in the PIP/POP window by pressing SWAP.

SWAP

- When using POP - Three Window Mode, pressing SWAP will exchange the main picture with the active POP window.

CHANNEL +/- For PIP/POP (PIP CH)

Like the main CHANNEL +/- buttons, PIP CH lets you scan through the channels in the PIP or POP window.

PIP CH +/-

- PIP CH +/- will not work with POP - Three Window Mode. Channels scan automatically in POP - Three Window Mode.
- Direct channel selection with the 10 key pad for PIP/POP is not possible.

PROBLEMS	CHECK
TV won't turn on.	• See if the power cord is plugged in properly. • Check for a blown fuse or circuit breaker or a power outage.
There is no picture or sound	• The antenna could be disconnected. • The input mode (TV / Video) could be set improperly. See page 17. • The tuner (Memorize Channels) could be set improperly. See page 17. • The TV station may be having difficulties. Check to see if other stations are working.
Remote control is not operating properly or at all	• Check to see that the batteries are still working and properly installed. • Make sure the remote has a clear sight path to the TV. • Check that the TV/CATV switch is in the proper position.
You cannot select a certain channel	• You may be too far from the TV. You must be within 20 feet. • Make sure the channels have been programmed. See 'Memorize Channels', page 17. • Check to see if the channel is locked. See page 23.
The power turns off by itself	• Make sure the set did not become unplugged. • Perhaps the Timer option is set. See page 26. • Check to see if the Sleep Timer was set. See page 31.
The clock is wrong	• The power was interrupted and the clock was not reset. See page 17.
The On Timer is blinking	• There is a problem with the TV. Unplug the set and call for service.
The color quality is poor	• Tint and Color may be improperly adjusted. See page 30.
There are lines across the picture	• There could be interference from another electrical appliance, such as a computer, another TV or VCR. Move any such appliances further away from the TV.
The picture is spotted	• There could be interference from a high-wattage appliance, like a hair dryer or vacuum, operating nearby. Move the antenna away from the appliance or change to a coaxial cable connection which is less prone to interference.
There are double pictures (ghosts)	• A building or passing airplane can reflect the original signal and produce a second, slightly delayed one. Adjust your antenna position.
Picture is snowy (image noise)	• Your antenna may be damaged, disconnected or turned. Check the antenna connection page 6 and in your Quick Setup Guide. If the antenna is damaged, replace it.
Screen is 80% black	• The Closed Caption Text mode is on. Turn it off in the Closed Caption Menu, page 26.
Stereo or bilingual programs can't be heard	• Make sure the MTS settings are correct. See "Listen to" on page 29.
There is no sound from the TV speakers	• The TV Speakers may be turned off. See page 18.
Static electricity	• It is normal to feel static electricity if you brush or touch the screen.
You hear occasional crackling sounds	• It is normal for the TV to make crackling sounds when first turned on or off. Unless the sound or picture become abnormal, this is fine.

36 Notes on Operation

Important: Do Not leave stationary or letterboxed images on screen for extended periods of time.

Displaying the same image frequently or for long periods of time can leave a subtle, but permanent ghost image on the screen. Stationary black bars, like letterboxing, can also leave a ghost image if used too frequently. To keep this from happening, **make sure you mix the types of images shown**. It is best not to have a stationary image displayed for more than 15% of the television's total operating time in a given week. Your projection television uses picture tubes to project images onto the screen. As they age, their light output will gradually decrease. Under normal conditions, the tubes will age at a consistent rate across the screen. Frequent display of stationary images though can cause the tubes to age unevenly. Uneven picture tube aging is not covered by the warranty.

Some examples of signals which include stationary images include:

Letterbox top/bottom bars - These are the black bars at the top and bottom of the screen when a wide-screen video is displayed on a standard TV.
Side bar images - These are the black bars on the sides of the picture displayed when a standard-size television program is shown on a wide screen TV.
Stock-Market Report Bars - These are the "ticker" bars often displayed on the bottom of the screen during financial reports.
Shopping Channel logos or pricing bars - These are the bright displays often shown on shopping channels for extended periods of time.
Bright TV Station Logos - Subtle, low-contrast logos are less likely to cause uneven aging.
Video Game patters or scoreboards
On-line (Internet) web sites - Web sites, or other computer-generated images that are not changed or are displayed for extended periods of time.

Speakers

If you place speakers next to the television, make sure they are magnetically shielded. Because of their strong magnets, ordinary speakers may cause distortion of the television picture if they are placed too close to the TV.

Cleaning

Normally, light dusting with a soft, non-scratching duster will keep your TV clean.

If you wish to wipe down the television, first unplug it. Then wipe gently with a soft cloth, *slightly moistened* with water. You can add a few drops of mild liquid detergent to the water to help remove spots of oily dirt.

DO NOT allow liquid to enter the TV through the ventilation slots.

DO NOT use strong or abrasive cleaners on the TV.

DO NOT spray liquids or cleaners directly on the TV's surface.

DO NOT rub or scrub the TV harshly. Wipe the set gently with a soft cloth.

Appendix 1- Screen Shield

The Screen Shield provides a layer of protection for your television screen. It has a subtle tint which enhances picture contrast. The screen shield comes installed on your D-Series projection television. You can remove the screen shield if you prefer.

To Remove the Screen Shield:

- To begin removal of the screen shield, remove the top molding clip with a small flat head screwdriver pressed into the opening at the upper corner of the television. (Illustration 1)
- Remove the bottom molding clip by using a flat head screwdriver as in the previous step.
- After loosening all four corners, gently press on the sides of the screen shield to bow the screen out towards you. (Illustration 2) It will pop out of position, pull gently towards you to remove it completely.

Store the screen shield carefully, in a safe place where it won't become scratched or soiled. If you later decide you wish to reinstall the screen shield, do the following:

- Insert the screen shield into the channel on the right side of the television.
- Gently press on the sides of the screen shield to bow it out towards you. (Illustration 2) Be sure to keep the right side of the shield in the right-side channel. Carefully slide the left side of the shield into the channel on the left-side of the television.
- Reinstall the two molding clips. Press the clips into place gently, do not force.

Wear cotton gloves when working with the screen shield to guard against fingerprints.

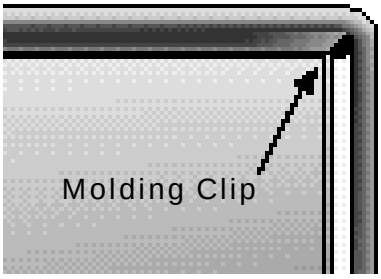


Illustration 1

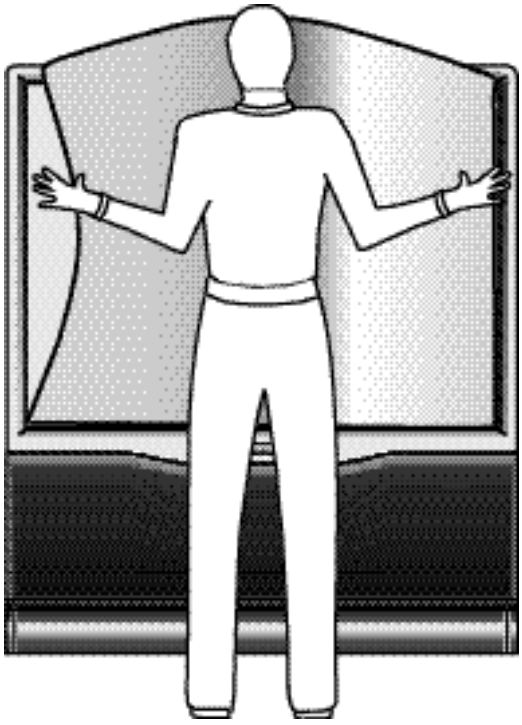


Illustration 2

Appendix 2 - Bypassing the Parent Lock

Cut along dotted line and file after reading.

After you set the lock code, you will need it to:

- view a locked program,
- view a locked channel,
- turn the lock on or off.

If you forget your code, you can bypass it by using the remote control. To bypass the lock, **press the QV and 9 buttons at the same time** whenever the code is requested. Unlocking the TV this way is temporary.

To change or permanently cancel the lock:

1) Turn on your TV. If the lock code is requested, press QV and 9 at the same time.
2) Press MENU to access the main menu.
3) Use the arrows to move to V-Chip Parent Lock and press ENTER.
4) The on screen display will ask for the lock code. Press QV and 9 at the same time.
5) The on screen display will now ask you to enter a new code:
   - To permanently cancel the passcode, press MENU or ENTER
   - To enter a new code, use the 10 key pad to enter your new code number, then press ENTER.

Notes

You must use the remote which came with the television to bypass the lock code. You cannot use a remote from another JVC product, other manufacturer, or universal remote.

When you set a new lock code, write it down and place it in a safe place away from other potential viewers.

A

Adding and deleting channels 24
Adjustments
picture 30
sound 29
Advanced features menu 26
Audio output 19
Audio/video memory settings 28
Audio/video settings menu 28
AV receiver
at Input 19

B

Back panel terminals 6
Buttons, remote control 31

C

Cable Box codes 14
Channel edit menu 24
Cleaning 36
Clock, setting the 18
Closed Captioning 26
Connections to
antenna 7
AV receiver 10
cable box 8
DVD component 11
Stereo Audio System 10
VCR 9
wall outlet cable 7
Convergence
Reset factory defaults 27
Static 27

D

Daylight, setting 28

F

Front panel buttons 6

H

Hookup, choosing a 7

I

Important Safeguards 2

L

Language menu 19

M

Main menu 16
Memorizing channels 17
Menu
Advanced Features 26
Audio output 19
Audio/Video settings 28
AV connections 18
AV receiver at Input 1 19
Channel Info 24
Closed Captioning 26
Language 19
Main 16
Memorizing Channels 17
Parent Lock 23
Set Clock 18
Set Day 18
Setup 17
TV speaker 18

N

Names
channels 24
inputs 25

P

Parent Lock
bypassing 38
time lock 23
V-Chip ratings and categories 20
Picture, adjusting 30
PIP (Picture-in-Picture)
changing channels 34
changing the size 33
exchanging with the main picture . . . 34
Input source 34
moving 34
POP (Picture-outside-Picture) 33

Index

R

Remote Control
buttons 31
cable box codes 14
installing batteries 12
VCR codes 15
Remote control operation 13

S

Screen Shield 37
Setup menu 17
Sleep Timer 31
Special Features 26
Sound, adjusting 28
SQV (Super Quick View) 25

T

Timer
automatic television turn on *26*
sleep *31*
Troubleshooting 35
TV Speaker 18

V

VCR Codes 15
Video mute 27

Limited Warranty

JVC

For Canadian model televisions, see separate sheets for Warranty/Garantie and JVC Authorized Service Centers in Canada.

JVC COMPANYOF AMERICAwarrants this product and all parts thereof, except as set forth below ONLYTO THE ORIGINALPURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIPfrom the date of original retail purchase for the period shown below (the "Warranty Period") (PICTURE TUBE is covered for Two (2) years.)

Parts	Labor
1 YEAR	1 YEAR

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:
If this product is found to be defective within the warranty period, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during regular business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of this Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis. Televisions with a screen size of 25 inches and larger may be covered on an in-home basis where such service is available.

WHAT YOU MUST DO FOR WARRANTY SERVICE:
To determine if in-home service is available in your area, either contact the selling dealer (retailer) or call 1-800-537-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website http://www.jvcservice.com. In-home service, if available, will require clear access to the Television by the service representatives. If in-home service is not available, carry in service will be provided.

If service is not locally available, box the product carefully, preferably in its original carton,and ship,insured,with a copy of your bill of sale plus a letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location which will be given to you by the toll free number.

If you have any questions concerning your JVC Product,please contact our Customer Relations Department.

WHAT IS NOT COVERED:
This limited warranty provided by JVC does not cover:
1) Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with,defaced or removed;
2) Initial installation, installation and removal from "built-in" entertainment centers and other mounting systems;
3) Operational adjustments covered in the Owner's Manual,normal maintenance, video and audio head cleaning;
4) Damage that occurs in shipment,due to an act of God,and cosmetic damage;
5) Signal reception problems and failures due to line power surge;
6) Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus (Needle) are covered for 90 days from the date of purchase;
7) Accessories;
8) Batteries (except that Rechargeable Batteries are covered for 90 days from date of purchase.)

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILTY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, OR ANY OTHER DAMAGES,WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING,WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, ALL EXPRESS AND IMPLIED WARRANTIES,INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long the warranty lasts, so these exclusions or limitations may not apply to you.This warranty gives you specific legal rights and you may also have other rights which vary state to state.

JVCCOMPANY OF AMERICA 1700 Valley Road
DIVISION OF JVC AMERICAS CORP. Wayne, New Jersey 07470
http://www.jvcservice.com

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY. THIS WARRANTY DOES NOT APPLY FOR DETAILS OF REFURBISHED PRODUCT WARRANTY. PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:
Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet.
Retain this information for future reference.

Model No.: _____ **Serial No.:** _____
Purchase Date: _____ **Name Of Dealer:** _____

Authorized Service Centers

QUALITY JVC SERVICE

HOW TO LOCATE YOUR JVC SERVICE CENTER

TOLL FREE: 1 (800) 537-5722
http://www.jvcservice.com

Dear Customer;
In order to receive the most satisfaction from your purchase, read the instruction booklet before operating the unit. In the event that repair is necessary, or for the address nearest your location, please refer to the factory service center list below or within the Continental United States, call 1-800-537-5722 for your authorized servicer. Remember to retain your Bill of Sale for Warranty Service.

— JVC

JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.

FACTORY SERVICE CENTER LOCATIONS

Dear customer;

In order to receive the most satisfaction from your purchase, read this guide before operating the unit, and before calling for service make sure you check the Troubleshooting pages at the end of this book. In the event that repair is necessary, or for the address nearest you, please refer to the factory service center list below, or within the continental United States, call the toll free number above for an authorized service center. Remember to retain your bill of sale for warranty service.

107 Little Falls Road
Fairfield, NJ 07004-2105
(973) 808-9279

1500 Lakes Parkway
Lawrenceville, GA 30243-5857
(404) 339-2522

705 Enterprise Street
Aurora, IL 60504-8149
(630) 851-7855

5665 Corporate Avenue
Cypress, CA 90630-0024
(714) 229-8011

2969 Mapunapuna Place
Honolulu, HI 96819-2040
(808) 833-5828

10700 Hammerly Suite 110
Houston, TX 77043
(713) 935-9331

13 Cummings Park
Woburn, MA 01801
(781) 376-9100

8192 State Road 84
Davie, FL 33324
(954) 472-1960

890 Dubuque Avenue
South San Francisco, CA 94080-1804
(650) 871-2666

Sophisticated electronic products may require occasional service. Just as quality is a keyword in the engineering and production of the wide array of JVC products, service is key to maintaining the high level of performance for which JVC is world famous. The JVC service and engineering organization stands behind our products.

NATIONAL HEADQUARTERS
JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.
1700 Valley Road
Wayne, New Jersey 07470

IF YOU SHIP THE PRODUCT

Pack your JVC unit in the original carton or one of equivalent size and strength. Enclose, with the unit, a letter stating the problem or symptom that exists and also a copy of the receipt or bill of sale you received when you purchased your JVC unit. Print your home return address on the outside and inside of the carton, Send to the appropriate JVC Factory Service Center as listed above.

Don't service it yourself

CAUTION

To prevent electrical shock, do not open the cabinet. No user serviceable parts inside. Refer to qualified service personnel.

ACCESSORIES

To purchase accessories for your JVC product, you may contact your local JVC Dealer. Or from the 48 Continental United States call toll free : 1 (800) 882-2345

Specifications

MODEL	AV-60D501	AV-50D501
Reception Format	NTSC System (Multi-Channel Sound)	
Reception Range	VHF 2 to 13, UHF 14 to 69 Sub Mid, Super, Hyper and Ultra bands (181 channel frequency synthesizer system)	
Power Consumption	240W	240W
Screen Size	60 inch / 152 cm measured diagonally full square	50 inch / 127 cm measured diagonally full square
Audio Output	10W x 2	
Speakers	5" / 10 cm Round x 2	
Antenna Terminals	2-Input, 1-Output (VHF/UHF) (F-type connectors)	
External Input Jacks	Video: 1 Vp-p, 75 ohms Audio: 450mVrms	
Variable Audio Output	450mVrms (100% modulated)	
Dimensions (In) WxHxD (cm)	50.5" x 60.8" x 29" 128.4 x 154.5 x 73.7	42.3" x 50.5" x 23.8" 107.6 x 128.0 x 60.5
Weight (lbs / kg)	245 lbs. / 111.2 (kg)	202 lbs. / 91.8 (kg)
Accessories	Remote control unit / AA batteries x 2	

Specifications subject to change without notice.

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1700 Valley Road
Wayne, New Jersey, 07470